GlycoPeptide Identified in TPC-1Cell Line

Experiment: TPC1-p13-p15-PNGF

Peak List Generator Version: BioWorks 3.3.1
Charge States Calculated: yes
Database Set: Database Name: the Sprot_060206 database
Version: 06/26/06
Taxonomy: Homo sapiens
Number of Proteins: 14164
Search Engine Set: 2 Search Engines
Search Engine: Mascot; Version: 2.1.03
Fragment Tolerance: 0.80 Da (Monoisotopic)
Parent Tolerance: 1.6 Da (Monoisotopic)
Fixed Modifications: +57 on C (Carbamidomethyl)
Variable Modifications: +1 on N (Deamidation), +16 on M (Oxidation)
Database: the Sprot_060206 database (selected for Homo sapiens, unknown version, 14164 entries)
Digestion Enzyme: Trypsin; Max Missed Cleavages: 2
Search Engine: X! Tandem; Version: 2007.01.01.1
Fragment Tolerance: 0.100 Da (Monoisotopic)
Parent Tolerance: 1.6 Da (Monoisotopic)
Fixed Modifications: +57 on C (Carbamidomethyl)
Variable Modifications: +1 on N (Deamidation), +16 on M (Oxidation)
Database: a subset of the uniprot_sprot_060206-oval database
Digestion Enzyme: Trypsin; Max Missed Cleavages: 2
Scaffold Version: Scaffold-2_00_00_final

Protein name	Swiss-Prot Accession Name	Protein molecular weight (Da)	Peptide sequence	Previous amino acid	Next amino acid	Best Peptide identification probability	Best Mascot Ion score	Best Mascot Identity score	Best X! Tandem - log(e) score	Number of identified +2H spectra	Number of identified +3H spectra	Calculated +1H Peptide Mass (AMU)	Peptide start index	Peptide stop index	N-linked Site	Potential N-linked site
(O00115) Deoxyribonuclease-2-alpha precursor (EC 3.1.22.1) (Deoxyribonuclease II alpha) (DNase II alpha) (Acid DNase) (Lysosomal DNase II) (R31240_2)	DNS2A_HUMAN	39563	SNTSQLAFLLYNDQPPQPSK	R	A	95%	57.3	38.4	8.35	1	0	2249.1	85	104	86	
(O00115) Deoxyribonuclease-2-alpha precursor (EC 3.1.22.1) (Deoxyribonuclease II alpha) (DNase II alpha) (Acid DNase) (Lysosomal DNase II) (R31240_2)	DNS2A_HUMAN	39563	GHHVSQEPWNSSITLTSQAGAVFQSFAK	K	F	95%	0.0	0.0	6.43	0	1	3015.5	203	230	212	
(O00115) Deoxyribonuclease-2-alpha precursor (EC 3.1.22.1) (Deoxyribonuclease II alpha) (DNase II alpha) (Acid DNase) (Lysosomal DNase II) (R31240_2)	DNS2A_HUMAN	39563	TVGILPSNCSDIWQVLNVNQIAFPGPAGPSFNSTEDHSK	K	W	95%	178.0	37.7	7.05	0	6	4200.0	259	297	266	
(O00462) Beta-mannosidase precursor (EC 3.2.1.25) (Lysosomal beta A mannosidase) (Mannanase) (Mannase)	MANBA_HUMAN	100879	WVSLDNWTYSK	R	E	95%	54.4	38.9	2.07	1	0	1399.7	72	82		77
(O00468) Agrin precursor	AGRN_HUMAN	214863	NELMLNSSLMR	K	I	95%	72.4	38.9	3.34	2	0	1340.6	130	140		135
(O00468) Agrin precursor	AGRN_HUMAN	214863	DPCSNVTCSFGSTCAR	R	S	95%	64.0	39.0	6.82	1	0	1819.7	246	261		250
(O00468) Agrin precursor	AGRN_HUMAN	214863	GPTFAPLPPVAPLHCAQTPYGCCQDNITAAR	R	G	95%	68.9	38.1	4.24	0	2	3381.6	752	782		777
(O00584) Ribonuclease T2 precursor (Ribonuclease 6)	RNT2_HUMAN	29481	QDQQLQNCTEPGEQPSPK	K	Q	95%	106.6	39.0	8.96	4	0	2084.6	206	223		212
(O00754) Lysosomal alpha-mannosidase precursor (EC 3.2.1.24) (Mannosidase, alpha B) (Lysosomal acid alpha-mannosidase) (Laman) (Mannosidase alpha class 2B member 1) [Contains: Lysosomal alpha-mannosidase A peptide; Lysosomal alpha-mannosidase	MA2B1_HUMAN	113656	WWHQQTNATQEVVR	R	D	95%	41.7	38.9	5.37	0	1	1783.9	126	139		133
(O00754) Lysosomal alpha-mannosidase precursor (EC 3.2.1.24) (Mannosidase, alpha B) (Lysosomal acid alpha-mannosidase) (Laman) (Mannosidase alpha class 2B member 1) [Contains: Lysosomal alpha-mannosidase A peptide; Lysosomal alpha-mannosidase	MA2B1_HUMAN	113656	ANLTWSVK	K	H	95%	48.3	38.9	2.85	1	0	919.5	365	372		367
(O00754) Lysosomal alpha-mannosidase precursor (EC 3.2.1.24) (Mannosidase, alpha B) (Lysosomal acid alpha-mannosidase) (Laman) (Mannosidase alpha class 2B member 1) [Contains: Lysosomal alpha-mannosidase A peptide; Lysosomal alpha-mannosidase	MA2B1_HUMAN	113656	TPLVQEVHQNFSAWCSQVVR	K	L	95%	85.0	38.6	9.60	1	1	2386.2	682	701		692
(O00754) Lysosomal alpha-mannosidase precursor (EC 3.2.1.24) (Mannosidase, alpha B) (Lysosomal acid alpha-mannosidase) (Laman) (Mannosidase alpha class 2B member 1) [Contains: Lysosomal alpha-mannosidase A peptide; Lysosomal alpha-mannosidase	MA2B1_HUMAN	113656	LNQTEPVAGNYYPVNTR	K	I	95%	111.0	38.4	6.43	2	0	1936.9	764	780		766
(O14672) ADAM 10 precursor (EC 3.4.24.81) (A disintegrin and metalloproteinase domain 10) (Mammalian disintegrin-metalloprotease) (Kuzbanian protein homolog) (CDw156c antigen)	ADA10_HUMAN	84125	INTTADEKDPTNPFR	R	F	95%	80.6	38.6	2.52	2	1	1719.8	277	291	278	
(O14672) ADAM 10 precursor (EC 3.4.24.81) (A disintegrin and metalloproteinase domain 10) (Mammalian disintegrin-metalloprotease) (Kuzbanian protein homolog) (CDw156c antigen)	ADA10_HUMAN	84125	EGICNGFTALCPASDPKPNFTDCNR	R	H	95%	56.2	38.8	5.37	0	1	2844.2	533	557		551

(O14773) Tripeptidyl-peptidase 1 precursor (EC 3.4.14.9) (Tripeptidyl-peptidase I) (TPP-I) (Tripeptidyl aminopeptidase) (Lysosomal pepstatin insensitive protease) (LPIC) (Growth-inhibiting gene 1 protein)	TPP1_HUMAN	61230	YNLTSQDVGSGTSNNSQACAQFLEQYFHDSDLAQFMR	R	L	95%	155.0	37.5	5.82	0	4	4248.8	209	245		210, 222
(O14773) Tripeptidyl-peptidase 1 precursor (EC 3.4.14.9) (Tripeptidyl-peptidase I) (TPP-I) (Tripeptidyl aminopeptidase) (Lysosomal pepstatin insensitive protease) (LPIC) (Growth-inhibiting gene 1 protein)	TPP1_HUMAN	61230	FLSSSPHLPPSSYFNASGR	K	A	95%	75.4	39.1	4.51	1	1	2052.0	429	447	443	
(O14786) Neuropilin-1 precursor (Vascular endothelial cell growth factor 165 receptor) (CD304 antigen)	NRP1_HUMAN	103105	RGPECSQNYTTPSGVIK	K	S	95%	67.2	38.4	3.42	2	0	1894.9	143	159	150	
(O14786) Neuropilin-1 precursor (Vascular endothelial cell growth factor 165 receptor) (CD304 antigen)	NRP1_HUMAN	103105	EGFSANYSVLQSSVSEDFK	K	C	95%	75.6	38.2	6.16	2	0	2095.0	256	274	260	
(O15031) Plexin-B2 precursor (MM1)	PLXB2_HUMAN	205081	ALSNISLR	R	L	95%	63.7	39.2	1.68	2	0	874.5	124	131		127
(O15031) Plexin-B2 precursor (MM1)	PLXB2_HUMAN	205081	SCVAVTSAQPQNMSR	K	R	95%	81.9	38.6	6.38	1	0	1652.7	517	531		528
(O15118) Niemann-Pick C1 protein precursor	NPC1_HUMAN	142152	VDNITDQFCNASVVDPACVR	R	C	95%	75.9	38.2	5.43	1	0	2282.0	959	978		968
(O15230) Laminin alpha-5 chain precursor	LAMA5_HUMAN	399681	RLNTTGVSAGCTADLLVGR	K	A	95%	86.4	39.0	10.40	1	0	1962.0	3105	3123		3107
(O43854) EGF-like repeat and discoidin I-like domain-containing protein 3 precursor (EGF-like repeats and discoidin I-like domains protein 3) (Developmentally-regulated endothelial cell locus 1 protein) (Integrin-binding protein DEL1)	EDIL3_HUMAN	53747	NGGICTDLVANYSCECPGEFMGR	K	N	95%	94.6	37.7	10.90	2	0	2625.0	130	152		140
(O75503) Ceroid-lipofuscinosis neuronal protein 5 (Protein CLN5)	CLN5_HUMAN	46323	IFLYSGEPTYLGNETSVFGPTGNK	R	T	95%	107.0	37.7	7.85	2	0	2593.2	259	282		271
(O75629) CREG1 protein precursor (Cellular repressor of E1A-stimulated genes 1)	CREG1_HUMAN	24057	LNITNIWVLDYFGGPK	K	I	95%	93.3	38.5	7.74	2	0	1851.0	192	207		193
(O75882) Attractin precursor (Mahogany homolog) (DPPT-L)	ATRN_HUMAN	158518	IDSTGNVTNELR	K	V	95%	93.2	38.7	2.82	2	0	1319.6	411	422	416	
(O75976) Carboxypeptidase D precursor (EC 3.4.17.22) (Metallocarboxypeptidase D) (gp180)	CBPD_HUMAN	152899	LLNTTDVYLLPSLNPDGFER	R	A	95%	58.5	38.1	3.00	1	0	2278.2	170	189	172	
(P00533) Epidermal growth factor receptor precursor (EC 2.7.10.1) (Receptor tyrosine-protein kinase ErbB-1)	EGFR_HUMAN	134261	EFVENSECIQCHPECLPQAMNITCTGR	R	G	95%	66.8	38.3	4.89	0	2	3298.4	548	574	568	
(P00533) Epidermal growth factor receptor precursor (EC 2.7.10.1) (Receptor tyrosine-protein kinase ErbB-1)	EGFR_HUMAN	134261	TCPAGVMGENNTLVWK	K	Y	95%	40.8	39.0	2.70	1	0	1794.8	594	609	603	
(P00749) Urokinase-type plasminogen activator precursor (EC 3.4.21.73) (uPA) (U-plasminogen activator) [Contains: Urokinase-type plasminogen activator long chain A; Urokinase-type plasminogen activator short chain A; Urokinase-type plasminogen	UROK_HUMAN	48508	TIQTICLPSMYNDPQFGTSCEITGFGKENSTDYLYPEQLK	R	M	95%	64.2	36.9	7.10	0	2	4664.1	294	333	322	
(P00749) Urokinase-type plasminogen activator precursor (EC 3.4.21.73) (uPA) (U-plasminogen activator) [Contains: Urokinase-type plasminogen activator long chain A; Urokinase-type plasminogen activator short chain A; Urokinase-type plasminogen	UROK_HUMAN	48508	ENSTDYLYPEQLK	K	M	95%	39.2	38.6	1.44	1	0	1600.7	321	333	322	
(P01009) Alpha-1-antitrypsin precursor (Alpha-1 protease inhibitor) (Alpha-1-antiproteinase)	A1AT_HUMAN	46720	YLGNATAIFFLPDEGK	K	L	95%	68.5	38.4	2.14	1	0	1756.9	268	283	271	
(P01011) Alpha-1-antichymotrypsin precursor (ACT) [Contains: Alpha-1-antichymotrypsin His-Pro-less]	AACT_HUMAN	47635	FNLTETSEAEIHQSFQHLLR	K	T	95%	32.5	38.6	4.23	1	2	2401.2	105	124	106	
(P01033) Metalloproteinase inhibitor 1 precursor (TIMP-1) (Erythroid potentiating activity) (EPA) (Tissue inhibitor of metalloproteinases) (Fibroblast collagenase inhibitor) (Collagenase inhibitor)	TIMP1_HUMAN	23153	FVGTPEVNQTTLYQR	K	Y	95%	96.0	38.5	9.66	2	0	1753.9	46	60	53	
(P01033) Metalloproteinase inhibitor 1 precursor (TIMP-1) (Erythroid potentiating activity) (EPA) (Tissue inhibitor of metalloproteinases) (Fibroblast collagenase inhibitor) (Collagenase inhibitor)	TIMP1_HUMAN	23153	SHNRSEEFLIAGK	R	L	95%	53.5	39.0	1.92	1	0	1488.7	99	111	101	
(P01137) Transforming growth factor beta-1 precursor (TGF-beta-1) [Contains: Latency-associated peptide (LAP)]	TGFB1_HUMAN	44324	LASPPSQGEVPPGPLPEAVLALYNSTR	R	D	95%	78.3	37.9	9.96	1	0	2761.4	59	85	82	
(P02751) Fibronectin precursor (FN) (Cold-insoluble globulin) (CIG)	FINC_HUMAN	262581	DQCIVDDITYNVNDTFHK	R	R	95%	123.0	38.2	7.72	1	1	2198.0	516	533	528	
(P02751) Fibronectin precursor (FN) (Cold-insoluble globulin) (CIG)	FINC_HUMAN	262581	HEEGHMLNCTCFGQGR	R	G	95%	68.7	39.3	3.11	0	2	1949.8	535	550	542	
(P02751) Fibronectin precursor (FN) (Cold-insoluble globulin) (CIG)	FINC_HUMAN	262581	LDAPTNLQFVNETDSTVLVR	K	W	95%	118.0	38.8	7.74	4	0	2233.1	997	1016	1007	
(P02790) Hemopexin precursor (Beta-1B-glycoprotein)	HEMO_HUMAN	51659	SWPAVGNCSSALR	R	W	95%	64.2	38.9	4.00	1	0	1405.7	181	193	187	
(P04062) Glucosylceramidase precursor (EC 3.2.1.45) (Beta-glucocerebrosidase) (Acid beta-glucosidase) (D-glucosyl-N-acylsphingosine glucohydrolase) (Alglucerase) (Imiglucerase)	GLCM_HUMAN	59700	MELSMGPIQANHTGTGLLLTLQPEQK	R	F	95%	66.2	37.4	3.19	3	0	2824.4	88	113	98	
(P04062) Glucosylceramidase precursor (EC 3.2.1.45) (Beta-glucocerebrosidase) (Acid beta-glucosidase) (D-glucosyl-N-acylsphingosine glucohydrolase) (Alglucerase) (Imiglucerase)	GLCM_HUMAN	59700	TYTYADTPDDFQLHNFSLPEEDTK	R	L	95%	89.3	37.9	3.62	1	1	2848.2	171	194	185	
(P04062) Glucosylceramidase precursor (EC 3.2.1.45) (Beta-glucocerebrosidase) (Acid beta-glucosidase) (D-glucosyl-N-acylsphingosine glucohydrolase) (Alglucerase) (Imiglucerase)	GLCM_HUMAN	59700	DLGPTLANSTHHNVR	R	L	95%	79.0	38.7	5.00	5	0	1632.8	302	316	309	

(P04222) HLA class I histocompatibility antigen, Cw-3 alpha chain precursor (MHC class I antigen Cw*3)	1C03_HUMAN	40844	GYYNQSEAGSHIIQR	R	M	95%	65.8	39.0	6.55	1	0	1723.8	107	121	110	
(P05026) Sodium/potassium-transporting ATPase subunit beta-1 (Sodium/potassium-dependent ATPase beta-1 subunit)	AT1B1_HUMAN	35045	YLQPLLAVQFTNLTMDTEIR	K	I	95%	86.4	37.9	6.74	2	0	2383.2	254	273	265	
(P05106) Integrin beta-3 precursor (Platelet membrane glycoprotein IIIa) (GPIIIa) (CD61 antigen)	ITB3_HUMAN	87196	LRPDDSKNFSIQVR	R	Q	95%	46.9	39.0	3.74	2	0	1675.9	118	131	125	
(P05106) Integrin beta-3 precursor (Platelet membrane glycoprotein IIIa) (GPIIIa) (CD61 antigen)	ITB3_HUMAN	87196	DLPEELSLSFNATCLNNEVIPGLK	R	S	95%	117.0	38.1	14.00	2	0	2674.3	387	410		397
(P05362) Intercellular adhesion molecule 1 precursor (ICAM-1) (Major group rhinovirus receptor) (CD54 antigen)	ICAM1_HUMAN	57807	ANLTVVLLR	R	G	95%	73.0	38.8	0.75	2	0	999.6	144	152	145	
(P05362) Intercellular adhesion molecule 1 precursor (ICAM-1) (Major group rhinovirus receptor) (CD54 antigen)	ICAM1_HUMAN	57807	LNPTVTYGNDSFSAK	R	A	95%	79.2	38.8	4.70	2	0	1614.8	259	273	267	
(P05556) Integrin beta-1 precursor (Fibronectin receptor beta subunit) (Integrin VLA-4 beta subunit) (CD29 antigen)	ITB1_HUMAN	88447	CHEGNGTFECGACR	K	C	95%	0.0	0.0	16.00	5	0	1638.6	477	490		481
(P05556) Integrin beta-1 precursor (Fibronectin receptor beta subunit) (Integrin VLA-4 beta subunit) (CD29 antigen)	ITB1_HUMAN	88447	KENSSEICSNNGECVCGQCVCR	R	K	95%	101.0	37.6	8.92	3	2	2649.0	518	539		520
(P05556) Integrin beta-1 precursor (Fibronectin receptor beta subunit) (Integrin VLA-4 beta subunit) (CD29 antigen)	ITB1_HUMAN	88447	ENSSEICSNNGECVCGQCVCR	K	K	95%	127.0	37.8	14.20	1	0	2520.9	519	539		520
(P05556) Integrin beta-1 precursor (Fibronectin receptor beta subunit) (Integrin VLA-4 beta subunit) (CD29 antigen)	ITB1_HUMAN	88447	KDTCTQECSYFNITK	K	V	95%	92.4	38.6	3.96	1	1	1895.8	658	672		669
(P05556) Integrin beta-1 precursor (Fibronectin receptor beta subunit) (Integrin VLA-4 beta subunit) (CD29 antigen)	ITB1_HUMAN	88447	DTCTQECSYFNITK	K	V	95%	76.6	38.6	4.80	2	0	1767.7	659	672		669
(P05556) Integrin beta-1 precursor (Fibronectin receptor beta subunit) (Integrin VLA-4 beta subunit) (CD29 antigen)	ITB1_HUMAN	88447	DTCTQECSYFNITKVESR	K	D	95%	93.0	38.2	4.02	2	0	2239.0	659	676		669
(P05997) Collagen alpha-2(V) chain precursor	CO5A2_HUMAN	144702	EASQNITYICK	K	N	95%	61.9	38.8	1.59	2	0	1327.6	1393	1403		1400
(P06865) Beta-hexosaminidase alpha chain precursor (EC 3.2.1.52) (N-acetyl-beta-glucosaminidase) (Beta-N-acetylhexosaminidase) (Hexosaminidase A)	HEXA_HUMAN	60672	SAEGTFFINK	K	T	95%	50.2	39.1	5.00	1	0	1114.5	149	158	157	
(P06865) Beta-hexosaminidase alpha chain precursor (EC 3.2.1.52) (N-acetyl-beta-glucosaminidase) (Beta-N-acetylhexosaminidase) (Hexosaminidase A)	HEXA_HUMAN	60672	SAEGTFFINKTEIEDFPR	K	F	95%	97.4	38.1	7.51	1	2	2102.0	149	166	157	
(P07339) Cathepsin D precursor (EC 3.4.23.5) [Contains: Cathepsin D light chain; Cathepsin D heavy chain]	CATD_HUMAN	44535	YYKGSLSYLNVTR	K	K	95%	75.7	38.5	7.28	2	0	1564.8	254	266	263	
(P07339) Cathepsin D precursor (EC 3.4.23.5) [Contains: Cathepsin D light chain; Cathepsin D heavy chain]	CATD_HUMAN	44535	GSLSYLNVTR	K	K	95%	84.4	38.5	4.85	6	0	1110.6	257	266	263	
(P07602) Proactivator polypeptide precursor [Contains: Saposin A (Protein A); Saposin B-Val; Saposin B (Sphingolipid activator protein 1) (SAP-1) (Cerebroside sulfate activator) (CSAct) (Dispersin) (Sulfatide/GM1 activator); Saposin C (Co-beta-	SAP_HUMAN	58094	DVVTAAGDMLKDNATEEEILVYLEK	K	T	95%	99.7	37.5	5.21	5	2	2767.4	68	92	80	
(P07602) Proactivator polypeptide precursor [Contains: Saposin A (Protein A); Saposin B-Val; Saposin B (Sphingolipid activator protein 1) (SAP-1) (Cerebroside sulfate activator) (CSAct) (Dispersin) (Sulfatide/GM1 activator); Saposin C (Co-beta-	SAP_HUMAN	58094	DNATEEEILVYLEK	K	T	95%	99.0	38.8	4.92	2	0	1666.8	79	92	80	
(P07602) Proactivator polypeptide precursor [Contains: Saposin A (Protein A); Saposin B-Val; Saposin B (Sphingolipid activator protein 1) (SAP-1) (Cerebroside sulfate activator) (CSAct) (Dispersin) (Sulfatide/GM1 activator); Saposin C (Co-beta-	SAP_HUMAN	58094	TNSTFVQALVEHVK	R	E	95%	80.9	39.2	6.14	2	0	1573.8	214	227	215	
(P07602) Proactivator polypeptide precursor [Contains: Saposin A (Protein A); Saposin B-Val; Saposin B (Sphingolipid activator protein 1) (SAP-1) (Cerebroside sulfate activator) (CSAct) (Dispersin) (Sulfatide/GM1 activator); Saposin C (Co-beta-	SAP_HUMAN	58094	TNSTFVQALVEHVKEECDR	R	L	95%	88.2	38.4	9.80	7	5	2263.1	214	232	215	
(P07602) Proactivator polypeptide precursor [Contains: Saposin A (Protein A); Saposin B-Val; Saposin B (Sphingolipid activator protein 1) (SAP-1) (Cerebroside sulfate activator) (CSAct) (Dispersin) (Sulfatide/GM1 activator); Saposin C (Co-beta-	SAP_HUMAN	58094	LIDNNKTEKEILDAFDK	K	M	95%	75.6	38.3	8.66	4	3	2007.0	328	344	332	
(P07602) Proactivator polypeptide precursor [Contains: Saposin A (Protein A); Saposin B-Val; Saposin B (Sphingolipid activator protein 1) (SAP-1) (Cerebroside sulfate activator) (CSAct) (Dispersin) (Sulfatide/GM1 activator); Saposin C (Co-beta-	SAP_HUMAN	58094	NLEKNSTKQEILAALEK	R	G	95%	99.0	38.6	5.96	4	3	1930.0	422	438	426	

(P07602) Proactivator polypeptide precursor [Contains: Saposin A (Protein A); Saposin B-Val; Saposin B (Sphingolipid activator protein 1) (SAP-1) (Cerebroside sulfate activator) (CSAct) (Dispersin) (Sulfatide/GM1 activator); Saposin C (Co-beta-	SAP_HUMAN	58094	NSTKQEILAALEK	K	G	95%	78.8	38.8	5.70	2	0	1445.8	426	438	426	
(P07686) Beta-hexosaminidase beta chain precursor (EC 3.2.1.52) (N-acetyl-beta-glucosaminidase) (Beta-N-acetylhexosaminidase) (Hexosaminidase B) (Cervical cancer proto-oncogene 7) (HCC-7) [Contains: Beta-hexosaminidase beta-B chain; Beta-hexos	HEXB_HUMAN	63095	LDSFGPINPTLNTTYSFLTTFFK	K	E	95%	101.0	37.7	7.77	2	0	2625.3	316	338	327	
(P07711) Cathepsin L precursor (EC 3.4.22.15) (Major excreted protein) (MEP) [Contains: Cathepsin L heavy chain; Cathepsin L light chain]	CATL1_HUMAN	37546	YSVANDTGFVDIPK	K	Q	95%	95.1	38.6	6.06	1	0	1526.7	217	230	221	
(P07711) Cathepsin L precursor (EC 3.4.22.15) (Major excreted protein) (MEP) [Contains: Cathepsin L heavy chain; Cathepsin L light chain]	CATL1_HUMAN	37546	YSVANDTGFVDIPKQEK	K	A	95%	74.8	38.4	5.16	2	0	1911.9	217	233	221	
(P07942) Laminin beta-1 chain precursor (Laminin B1 chain)	LAMB1_HUMAN	198045	CVCNYLGTVQEHCNGSDCQCDK	K	A	95%	0.0	0.0	6.28	2	0	2689.0	1028	1049		1041
(P07942) Laminin beta-1 chain precursor (Laminin B1 chain)	LAMB1_HUMAN	198045	MEMPSTPQQLQNLTEDIR	K	E	95%	0.0	0.0	3.23	1	0	2164.0	1531	1548		1542
(P07996) Thrombospondin-1 precursor	TSP1_HUMAN	129394	VSCPIMPCSNATVPDGECCPR	K	C	95%	59.7	38.0	4.77	2	0	2424.0	351	371		360
(P07996) Thrombospondin-1 precursor	TSP1_HUMAN	129394	VVNSTTGPGEHLR	K	N	95%	58.5	38.9	3.82	1	0	1367.7	1065	1077	1067	
(P08174) Complement decay-accelerating factor precursor (CD55 antigen)	DAF_HUMAN	41382	GSQWSDIEEFCNR	K	S	95%	53.8	39.1	2.89	1	0	1628.7	84	96		95
(P08195) 4F2 cell-surface antigen heavy chain (4F2hc) (Lymphocyte activation antigen 4F2 large subunit) (4F2 heavy chain antigen) (CD98 antigen)	4F2_HUMAN	57929	DASSFLAEWQNITK	K	G	95%	61.6	39.3	2.89	1	0	1610.8	254	267	264	
(P08195) 4F2 cell-surface antigen heavy chain (4F2hc) (Lymphocyte activation antigen 4F2 large subunit) (4F2 heavy chain antigen) (CD98 antigen)	4F2_HUMAN	57929	SLVTQYLNATGNR	K	W	95%	102.0	39.3	4.24	2	0	1437.7	316	328	323	
(P08236) Beta-glucuronidase precursor (EC 3.2.1.31) (Beta-G1)	BGLR_HUMAN	74699	VVANGTGTQGQLK	K	V	95%	68.0	39.2	8.42	1	0	1273.7	269	281	272	
(P08648) Integrin alpha-5 precursor (Fibronectin receptor alpha subunit) (Integrin alpha-F) (VLA-5) (CD49e antigen) [Contains: Integrin alpha-5 heavy chain; Integrin alpha-5 light chain]	ITA5_HUMAN	114521	TEKEPLSDPVGTCYLSTDNFTR	R	I	95%	77.0	37.8	7.49	2	0	2531.2	164	185		182
(P08648) Integrin alpha-5 precursor (Fibronectin receptor alpha subunit) (Integrin alpha-F) (VLA-5) (CD49e antigen) [Contains: Integrin alpha-5 heavy chain; Integrin alpha-5 light chain]	ITA5_HUMAN	114521	GNLTYGYVTILNGSDIR	K	S	95%	116.0	39.0	5.47	2	0	1857.9	296	312		307
(P08648) Integrin alpha-5 precursor (Fibronectin receptor alpha subunit) (Integrin alpha-F) (VLA-5) (CD49e antigen) [Contains: Integrin alpha-5 heavy chain; Integrin alpha-5 light chain]	ITA5_HUMAN	114521	NLNNSQSDVVSFR	K	L	95%	77.8	39.1	11.80	2	0	1480.7	771	783		773
(P08648) Integrin alpha-5 precursor (Fibronectin receptor alpha subunit) (Integrin alpha-F) (VLA-5) (CD49e antigen) [Contains: Integrin alpha-5 heavy chain; Integrin alpha-5 light chain]	ITA5_HUMAN	114521	VTGLNCTTNHPINPK	R	G	95%	63.5	38.8	5.12	2	0	1666.8	864	878		868
(P08962) CD63 antigen (Melanoma-associated antigen ME491) (Lysosome-associated membrane glycoprotein 3) (LAMP-3) (Ocular melanoma-associated antigen) (OMA81H) (Granulophysin) (Tetraspanin-30) (Tspan-30)	CD63_HUMAN	25487	QQMENYPKNNHTASILDR	R	M	95%	45.4	39.0	3.36	0	2	2160.0	120	137	130	
(P08962) CD63 antigen (Melanoma-associated antigen ME491) (Lysosome-associated membrane glycoprotein 3) (LAMP-3) (Ocular melanoma-associated antigen) (OMA81H) (Granulophysin) (Tetraspanin-30) (Tspan-30)	CD63_HUMAN	25487	NNHTASILDR	K	M	95%	44.9	38.8	1.64	1	0	1141.6	128	137	130	
(P08962) CD63 antigen (Melanoma-associated antigen ME491) (Lysosome-associated membrane glycoprotein 3) (LAMP-3) (Ocular melanoma-associated antigen) (OMA81H) (Granulophysin) (Tetraspanin-30) (Tspan-30)	CD63_HUMAN	25487	CCGAANYTDWEKIPSMSK	K	N	95%	0.0	0.0	7.72	2	0	2116.9	144	161		150
(P10253) Lysosomal alpha-glucosidase precursor (EC 3.2.1.20) (Acid maltase) (Aglucosidase alfa) [Contains: 76 kDa lysosomal alpha-glucosidase; 70 kDa lysosomal alpha-glucosidase]	LYAG_HUMAN	105321	LENLSSSEMGYTATLTR	K	T	95%	126.0	38.3	7.89	1	0	1889.9	138	154	140	
(P10253) Lysosomal alpha-glucosidase precursor (EC 3.2.1.20) (Acid maltase) (Aglucosidase alfa) [Contains: 76 kDa lysosomal alpha-glucosidase; 70 kDa lysosomal alpha-glucosidase]	LYAG_HUMAN	105321	QVVENMTR	R	A	95%	35.5	39.4	3.10	1	0	977.5	386	393	390	
(P10253) Lysosomal alpha-glucosidase precursor (EC 3.2.1.20) (Acid maltase) (Aglucosidase alfa) [Contains: 76 kDa lysosomal alpha-glucosidase; 70 kDa lysosomal alpha-glucosidase]	LYAG_HUMAN	105321	RGVFITNETGQPLIGK	R	V	95%	94.5	38.5	6.03	2	1	1730.9	464	479	470	

(P10253) Lysosomal alpha-glucosidase precursor (EC 3.2.1.20) (Acid maltase) (Aglucosidase alfa) [Contains: 76 kDa lysosomal alpha-glucosidase; 70 kDa lysosomal alpha-glucosidase]	LYAG_HUMAN	105321	GVFITNETGQPLIGK	R	V	95%	84.2	38.7	9.00	2	0	1574.8	465	479	470	
(P10253) Lysosomal alpha-glucosidase precursor (EC 3.2.1.20) (Acid maltase) (Aglucosidase alfa) [Contains: 76 kDa lysosomal alpha-glucosidase; 70 kDa lysosomal alpha-glucosidase]	LYAG_HUMAN	105321	NNTIVNELVR	R	V	95%	72.7	38.9	3.36	2	0	1172.6	882	891	882	
(P10253) Lysosomal alpha-glucosidase precursor (EC 3.2.1.20) (Acid maltase) (Aglucosidase alfa) [Contains: 76 kDa lysosomal alpha-glucosidase; 70 kDa lysosomal alpha-glucosidase]	LYAG_HUMAN	105321	VTVLGVATAPQQVLSNGVPVSNFTYSPDTK	K	V	95%	96.6	37.5	9.72	4	0	3091.6	904	933	925	
(P10316) HLA class I histocompatibility antigen, A-69 alpha chain (MHC class I antigen A*69) (Aw-69) (A-28) (Fragment)	1A02_HUMAN	40903	GYYNQSEAGSHTVQR	R	M	95%	63.9	38.6	2.43	1	0	1697.8	107	121	110	
(P10619) Lysosomal protective protein precursor (EC 3.4.16.5) (Cathepsin A) (Carboxypeptidase C) (Protective protein for beta-galactosidase) [Contains: Lysosomal protective protein 32 kDa chain; Lysosomal protective protein 20 kDa chain]	PPGB_HUMAN	54450	FYATNDTEVAQSNFEALQDFFR	K	L	95%	136.0	38.1	9.33	2	0	2614.2	141	162	145	
(P10619) Lysosomal protective protein precursor (EC 3.4.16.5) (Cathepsin A) (Carboxypeptidase C) (Protective protein for beta-galactosidase) [Contains: Lysosomal protective protein 32 kDa chain; Lysosomal protective protein 20 kDa chain]	PPGB_HUMAN	54450	VRMDPPCTNTTAASTYLNNPYVR	K	K	95%	63.9	38.9	1.55	0	1	2658.2	325	347		333
(P10619) Lysosomal protective protein precursor (EC 3.4.16.5) (Cathepsin A) (Carboxypeptidase C) (Protective protein for beta-galactosidase) [Contains: Lysosomal protective protein 32 kDa chain; Lysosomal protective protein 20 kDa chain]	PPGB_HUMAN	54450	MDPPCTNTTAASTYLNNPYVR	R	K	95%	123.0	38.6	13.50	6	0	2387.1	327	347		333
(P10909) Clusterin precursor (Complement-associated protein SP-40,40) (Complement cytolysis inhibitor) (CLI) (NA1/NA2) (Apolipoprotein J) (Apo-J) (Testosterone-repressed prostate message 2) (TRPM-2) [Contains: Clusterin beta chain (ApoJalpha)	CLUS_HUMAN	52477	LANLTQGEDQYYLR	R	V	95%	73.0	38.5	4.15	1	0	1684.8	372	385	374	
(P11047) Laminin gamma-1 chain precursor (Laminin B2 chain)	LAMC1_HUMAN	177587	LLNNLTSIK	K	I	95%	68.5	39.0	1.70	2	0	1016.6	647	655	650	
(P11047) Laminin gamma-1 chain precursor (Laminin B2 chain)	LAMC1_HUMAN	177587	VNNTLSSQISR	R	L	95%	84.9	39.5	4.40	2	0	1219.6	1106	1116	1107	
(P11047) Laminin gamma-1 chain precursor (Laminin B2 chain)	LAMC1_HUMAN	177587	VAAANVSVTQPESTGDPNNMTLLAEEAR	K	K	95%	82.5	37.3	9.48	1	0	2904.3	1157	1184	1175	
(P11047) Laminin gamma-1 chain precursor (Laminin B2 chain)	LAMC1_HUMAN	177587	TANDTSTEAYNLLLR	K	T	95%	108.0	38.9	6.64	2	0	1682.8	1203	1217		1205
(P11047) Laminin gamma-1 chain precursor (Laminin B2 chain)	LAMC1_HUMAN	177587	TLAGENQTAFEIEELNR	R	K	95%	109.0	38.5	6.31	2	0	1935.9	1218	1234	1223	
(P11047) Laminin gamma-1 chain precursor (Laminin B2 chain)	LAMC1_HUMAN	177587	KIPAINQTITEANEK	R	T	95%	103.0	38.6	7.92	2	0	1670.9	1390	1404	1395	
(P11047) Laminin gamma-1 chain precursor (Laminin B2 chain)	LAMC1_HUMAN	177587	IPAINQTITEANEK	K	T	95%	58.4	39.2	3.49	1	0	1542.8	1391	1404	1395	
(P11117) Lysosomal acid phosphatase precursor (EC 3.1.3.2) (LAP)	PPAL_HUMAN	48299	YHGFLNTSYHR	R	Q	95%	54.2	38.7	1.66	1	1	1395.6	87	97		92
(P11117) Lysosomal acid phosphatase precursor (EC 3.1.3.2) (LAP)	PPAL_HUMAN	48299	FNPNISWQPIPVHTVPITEDR	R	L	95%	90.6	38.2	7.10	2	0	2461.3	130	150		133
(P11117) Lysosomal acid phosphatase precursor (EC 3.1.3.2) (LAP)	PPAL_HUMAN	48299	YEQLQNETR	R	Q	95%	49.4	38.5	2.77	2	0	1181.5	162	170		137
(P11117) Lysosomal acid phosphatase precursor (EC 3.1.3.2) (LAP)	PPAL_HUMAN	48299	KNLTLMATTSQLPK	R	L	95%	87.7	38.6	7.38	2	0	1562.8	266	279		267
(P11166) Solute carrier family 2, facilitated glucose transporter member 1 (Glucose transporter type 1, erythrocyte/brain) (HepG2 glucose transporter)	GTR1_HUMAN	54101	VIEEFYNQTWVHR	K	Y	95%	92.7	38.4	10.70	1	0	1721.8	39	51	45	
(P11279) Lysosome-associated membrane glycoprotein 1 precursor (LAMP-1) (CD107a antigen)	LAMP1_HUMAN	44756	SGPKNMTFDLPSDATVVLNR	K	S	95%	82.3	38.7	7.07	3	0	2179.1	57	76	61, 75	
(P11279) Lysosome-associated membrane glycoprotein 1 precursor (LAMP-1) (CD107a antigen)	LAMP1_HUMAN	44756	NMTFDLPSDATVVLNR	K	S	95%	88.1	38.9	7.29	1	0	1810.9	61	76	61, 75	
(P11279) Lysosome-associated membrane glycoprotein 1 precursor (LAMP-1) (CD107a antigen)	LAMP1_HUMAN	44756	SSCGKENTSDPSLVIAFGR	R	G	95%	120.0	38.4	7.15	2	1	2026.0	77	95	83	
(P11279) Lysosome-associated membrane glycoprotein 1 precursor (LAMP-1) (CD107a antigen)	LAMP1_HUMAN	44756	ENTSDPSLVIAFGR	K	G	95%	73.9	39.2	6.51	2	0	1506.7	82	95	83	
(P11279) Lysosome-associated membrane glycoprotein 1 precursor (LAMP-1) (CD107a antigen)	LAMP1_HUMAN	44756	GHTLTLNFTR	R	N	95%	50.1	38.8	4.59	3	0	1160.6	96	105	102	
(P11279) Lysosome-associated membrane glycoprotein 1 precursor (LAMP-1) (CD107a antigen)	LAMP1_HUMAN	44756	YSVQLMSFVYNLSDTHLFPNASSK	R	E	95%	59.4	39.2	4.20	0	1	2766.3	110	133	120, 129	
(P11279) Lysosome-associated membrane glycoprotein 1 precursor (LAMP-1) (CD107a antigen)	LAMP1_HUMAN	44756	CVSGTQVHMNNVTVTLHDATIQAYLSNSSFSR	R	G	95%	79.6	37.9	8.15	0	1	3540.6	154	185	164, 180	

(P11717) Cation-independent mannose-6-phosphate receptor precursor (CI Man-6-P receptor) (CI-MPR) (M6PR) (Insulin-like growth factor 2 receptor) (Insulin-like growth factor II receptor) (IGF-II receptor) (M6P/IGF2 receptor) (M6P/IGF2R) (300 kD	MPRI_HUMAN	274256	SLLEFNTTVSCDQQGTNHR	R	V	95%	64.9	38.6	3.96	1	0	2208.0	107	125	112	
(P11717) Cation-independent mannose-6-phosphate receptor precursor (CI Man-6-P receptor) (CI-MPR) (M6PR) (Insulin-like growth factor 2 receptor) (Insulin-like growth factor II receptor) (IGF-II receptor) (M6P/IGF2 receptor) (M6P/IGF2R) (300 kD	MPRI_HUMAN	274256	TNITLVCKPGDLESAPVLR	K	T	95%	81.1	38.6	8.89	2	0	2084.1	580	598	581	
(P11717) Cation-independent mannose-6-phosphate receptor precursor (CI Man-6-P receptor) (CI-MPR) (M6PR) (Insulin-like growth factor 2 receptor) (Insulin-like growth factor II receptor) (IGF-II receptor) (M6P/IGF2 receptor) (M6P/IGF2R) (300 kD	MPRI_HUMAN	274256	DAGVGFPEYQEEDNSTYNFR	R	W	95%	91.7	38.8	9.21	2	0	2339.0	734	753	747	
(P11717) Cation-independent mannose-6-phosphate receptor precursor (CI Man-6-P receptor) (CI-MPR) (M6PR) (Insulin-like growth factor 2 receptor) (Insulin-like growth factor II receptor) (IGF-II receptor) (M6P/IGF2 receptor) (M6P/IGF2R) (300 kD	MPRI_HUMAN	274256	TGPVVEDSGSLLLEYVNGSACTTSDGR	K	Q	95%	103.0	38.0	9.13	1	0	2785.3	855	881		871
(P11717) Cation-independent mannose-6-phosphate receptor precursor (CI Man-6-P receptor) (CI-MPR) (M6PR) (Insulin-like growth factor 2 receptor) (Insulin-like growth factor II receptor) (IGF-II receptor) (M6P/IGF2 receptor) (M6P/IGF2R) (300 kD	MPRI_HUMAN	274256	DPNSGFVFNLNPLNSSQGYNVSGIGK	R	I	95%	33.8	38.0	3.11	1	0	2727.3	938	963		951, 957
(P11717) Cation-independent mannose-6-phosphate receptor precursor (CI Man-6-P receptor) (CI-MPR) (M6PR) (Insulin-like growth factor 2 receptor) (Insulin-like growth factor II receptor) (IGF-II receptor) (M6P/IGF2 receptor) (M6P/IGF2R) (300 kD	MPRI_HUMAN	274256	MDGCTLTDEQLLYSFNLSSLSTSTFK	R	V	95%	109.0	37.6	5.68	1	0	2975.4	1801	1826		1816
(P12110) Collagen alpha-2(VI) chain precursor	CO6A2_HUMAN	108557	GTFTDCALANMTEQIR	R	Q	95%	75.3	38.7	6.39	1	0	1828.8	131	146		140
(P13473) Lysosome-associated membrane glycoprotein 2 precursor (LAMP-2) (CD107b antigen)	LAMP2_HUMAN	44943	WQMNFTVR	K	Y	95%	35.1	39.0	4.92	2	0	1098.5	46	53	49	
(P13473) Lysosome-associated membrane glycoprotein 2 precursor (LAMP-2) (CD107b antigen)	LAMP2_HUMAN	44943	IAVQFGPGFSWIANFTK	K	A	95%	77.7	38.6	8.80	1	0	1884.0	88	104	101	
(P13473) Lysosome-associated membrane glycoprotein 2 precursor (LAMP-2) (CD107b antigen)	LAMP2_HUMAN	44943	VASVININPNTTHSTGSCR	K	S	95%	93.3	38.7	4.85	2	2	2029.0	248	266	257	
(P13473) Lysosome-associated membrane glycoprotein 2 precursor (LAMP-2) (CD107b antigen)	LAMP2_HUMAN	44943	VQPFNVTQGK	R	Y	95%	30.6	39.0	4.54	1	0	1118.6	352	361	356	
(P13591) Neural cell adhesion molecule 1, 140 kDa isoform precursor (N-CAM 140) (NCAM-140) (CD56 antigen)	NCA11_HUMAN	93343	DGQLLPSSNYSNIK	R	I	95%	64.5	38.5	2.60	1	0	1536.8	451	464	459	
(P13611) Versican core protein precursor (Large fibroblast proteoglycan) (Chondroitin sulfate proteoglycan core protein 2) (PG-M) (Glial hyaluronate-binding protein) (GHAP)	CSPG2_HUMAN	372795	FENQTGFPPPDSR	R	F	95%	69.7	39.4	6.34	6	0	1492.7	328	340	330	
(P13611) Versican core protein precursor (Large fibroblast proteoglycan) (Chondroitin sulfate proteoglycan core protein 2) (PG-M) (Glial hyaluronate-binding protein) (GHAP)	CSPG2_HUMAN	372795	RGQFESVAPSQNFSDSSESDTHPFVIAK	R	T	95%	79.4	38.8	7.80	0	2	3068.4	1431	1458		1442
(P13987) CD59 glycoprotein precursor (Membrane attack complex inhibition factor) (MACIF) (MAC-inhibitory protein) (MAC-IP) (Protectin) (MEM43 antigen) (Membrane inhibitor of reactive lysis) (MIRL) (20 kDa homologous restriction factor) (HRF-20	CD59_HUMAN	14159	TAVNCSSDFDACLITK	K	A	95%	117.0	39.2	8.02	73	0	1802.8	40	55	43	
(P14384) Carboxypeptidase M precursor (EC 3.4.17.12)	CBPM_HUMAN	50497	ELLLHLIDYLVTSDGKDPEITNLINSTR	R	I	95%	85.8	38.7	6.39	0	2	3184.7	91	118	115	
(P14384) Carboxypeptidase M precursor (EC 3.4.17.12)	CBPM_HUMAN	50497	NFPDAFEYNNVSR	R	Q	95%	66.8	38.8	4.11	2	0	1573.7	155	167		164
(P15151) Poliovirus receptor precursor (Nectin-like protein 5) (Necl-5) (CD155 antigen)	PVR_HUMAN	45284	VEDEGNYTCLFVTFPQGSR	R	S	95%	95.6	38.8	5.34	2	0	2220.0	115	133	120	
(P15529) Membrane cofactor protein precursor (Trophoblast leukocyte common antigen) (TLX) (CD46 antigen)	MCP_HUMAN	43730	GFYLDGSDTIVCDSNSTWDPPVPK	K	C	95%	58.8	38.0	7.89	1	0	2671.2	259	282	273	
(P15586) N-acetylglucosamine-6-sulfatase precursor (EC 3.1.6.14) (G6S) (Glucosamine-6-sulfatase)	GNS_HUMAN	62066	YPHNHHVVNNTLEGNCSSK	K	S	95%	76.7	38.5	6.85	3	0	2210.0	103	121		111, 117
(P15586) N-acetylglucosamine-6-sulfatase precursor (EC 3.1.6.14) (G6S) (Glucosamine-6-sulfatase)	GNS_HUMAN	62066	YYNYTLSINGK	K	A	95%	74.8	38.6	6.04	2	0	1337.6	181	191	183	
(P15586) N-acetylglucosamine-6-sulfatase precursor (EC 3.1.6.14) (G6S) (Glucosamine-6-sulfatase)	GNS_HUMAN	62066	KHGENYSVDYLTDVLANVSLDFLDYK	R	S	95%	76.8	37.0	5.35	2	2	3020.4	194	219		198
(P15586) N-acetylglucosamine-6-sulfatase precursor (EC 3.1.6.14) (G6S) (Glucosamine-6-sulfatase)	GNS_HUMAN	62066	TPMTNSSIQFLDNAFR	K	K	95%	139.0	39.1	6.27	13	4	1843.9	275	290	279	

(P15586) N-acetylglucosamine-6-sulfatase precursor (EC 3.1.6.14) (G6S) (Glucosamine-6-sulfatase)	GNS_HUMAN	62066	LEFTGELNNTYIFYTSDNGYHTGQFSLPIDK	R	R	95%	99.8	38.3	4.66	0	2	3587.6	310	340		317
(P15586) N-acetylglucosamine-6-sulfatase precursor (EC 3.1.6.14) (G6S) (Glucosamine-6-sulfatase)	GNS_HUMAN	62066	MLVANIDLGPTILDIAGYDLNK	K	T	95%	104.0	38.1	13.90	1	0	2376.2	367	388		387
(P15586) N-acetylglucosamine-6-sulfatase precursor (EC 3.1.6.14) (G6S) (Glucosamine-6-sulfatase)	GNS_HUMAN	62066	GASNLTWR	R	S	95%	58.0	38.9	2.85	8	0	905.4	402	409		405
(P15848) Arylsulfatase B precursor (EC 3.1.6.12) (ASB) (N-acetylgalactosamine-4-sulfatase) (G4S)	ARSB_HUMAN	59671	CTLIDALNVTR	R	C	95%	0.0	0.0	4.85	1	0	1259.6	181	191		188
(P15848) Arylsulfatase B precursor (EC 3.1.6.12) (ASB) (N-acetylgalactosamine-4-sulfatase) (G4S)	ARSB_HUMAN	59671	GHTNGTKPLDGFDVWK	R	T	95%	62.0	38.4	5.77	1	1	1772.9	363	378	366	
(P16070) CD44 antigen precursor (Phagocytic glycoprotein I) (PGP-1) (HUTCH-I) (Extracellular matrix receptor-III) (ECMR-III) (GP90 lymphocyte homing/adhesion receptor) (Hermes antigen) (Hyaluronate receptor) (Heparan sulfate proteoglycan) (Epi	CD44_HUMAN	81535	AFNSTLPTMAQMEK	K	A	95%	72.2	39.2	7.22	5	0	1601.7	55	68	57	
(P16278) Beta-galactosidase precursor (EC 3.2.1.23) (Lactase) (Acid beta-galactosidase)	BGAL_HUMAN	76076	NNVITLNITGK	R	A	95%	76.2	38.9	4.15	4	0	1188.6	458	468	464	
(P16870) Carboxypeptidase E precursor (EC 3.4.17.10) (CPE) (Carboxypeptidase H) (CPH) (Enkephalin convertase) (Prohormone-processing carboxypeptidase)	CBPE_HUMAN	53134	GNETIVNLIHSTR	K	I	95%	69.1	39.3	5.14	2	0	1454.8	138	150		139
(P16870) Carboxypeptidase E precursor (EC 3.4.17.10) (CPE) (Carboxypeptidase H) (CPH) (Enkephalin convertase) (Prohormone-processing carboxypeptidase)	CBPE_HUMAN	53134	DLQGNPIANATISVEGIDHDVTSAK	R	D	95%	54.2	38.3	4.19	1	0	2567.2	382	406		390
(P17050) Alpha-N-acetylgalactosaminidase precursor (EC 3.2.1.49) (Alpha-galactosidase B)	NAGAB_HUMAN	46548	LGIYADMGNFTCMGYPGTTLDK	K	V	95%	102.0	38.5	13.80	3	1	2442.1	116	137		124
(P17050) Alpha-N-acetylgalactosaminidase precursor (EC 3.2.1.49) (Alpha-galactosidase B)	NAGAB_HUMAN	46548	VNYSLLADICNLWR	R	N	95%	77.5	38.4	6.49	2	0	1737.9	200	213		201
(P17301) Integrin alpha-2 precursor (Platelet membrane glycoprotein Ia) (GPIa) (Collagen receptor) (VLA-2 alpha chain) (CD49b antigen)	ITA2_HUMAN	129280	YFFNVSDEAALLEK	R	A	95%	89.4	39.2	10.40	2	0	1646.8	340	353	343	
(P17301) Integrin alpha-2 precursor (Platelet membrane glycoprotein Ia) (GPIa) (Collagen receptor) (VLA-2 alpha chain) (CD49b antigen)	ITA2_HUMAN	129280	GEYFVNVTTR	K	I	95%	52.2	38.8	2.02	1	0	1186.6	1069	1078		1074
(P17900) Ganglioside GM2 activator precursor (GM2-AP) (Cerebroside sulfate activator protein) (Shingolipid activator protein 3) (SAP-3) [Contains: Ganglioside GM2 activator isoform short]	SAP3_HUMAN	20805	SLTLEPDPIVVPGNVTLSVVGSTSVPLSSPLK	R	V	95%	88.7	36.9	9.31	2	0	3203.8	50	81	63	
(P17936) Insulin-like growth factor-binding protein 3 precursor (IGFBP-3) (IBP-3) (IGF-binding protein 3)	IBP3_HUMAN	31642	GLCVNASAVSR	R	L	95%	82.8	39.4	3.60	1	0	1134.6	112	122	116	
(P18084) Integrin beta-5 precursor	ITB5_HUMAN	88037	DCVECLLLHSGKPDNQTCHSLCR	R	D	95%	63.6	38.5	4.48	0	1	2800.2	640	662		654
(P19022) Neural-cadherin precursor (N-cadherin) (Cadherin-2) (CDw325 antigen)	CADH2_HUMAN	99836	IVSQAPSTPSPNMFTINNETGDIITVAAGLDR	R	E	95%	82.8	37.1	5.96	1	0	3346.6	308	339		325
(P19440) Gamma-glutamyltranspeptidase 1 precursor (EC 2.3.2.2) (Gamma-glutamyltransferase 1) (CD224 antigen) [Contains: Gamma-glutamyltranspeptidase 1 heavy chain; Gamma-glutamyltranspeptidase 1 light chain]	GGT1_HUMAN	24256	LHNQLLPNVTTVER	R	N	95%	58.4	39.2	2.72	1	0	1634.9	504	530	511	
(P20645) Cation-dependent mannose-6-phosphate receptor precursor (CD Man-6-P receptor) (CD-MPR) (46 kDa mannose 6-phosphate receptor) (MPR 46)	MPRD_HUMAN	30975	EAGNHTSGAGLVQINK	R	S	95%	55.7	38.5	3.02	1	0	1596.8	80	95		83, 94
(P21589) 5'-nucleotidase precursor (EC 3.1.3.5) (Ecto-5'-nucleotidase) (5'-NT) (CD73 antigen)	5NTD_HUMAN	63351	GNVISSHGNPILLNSSIPEDPSIK	R	A	95%	105.0	37.8	6.72	1	0	2489.3	298	321		311
(P21589) 5'-nucleotidase precursor (EC 3.1.3.5) (Ecto-5'-nucleotidase) (5'-NT) (CD73 antigen)	5NTD_HUMAN	63351	IKLDNYSTQELGK	R	T	95%	71.4	38.7	4.15	2	1	1509.8	329	341		333
(P21589) 5'-nucleotidase precursor (EC 3.1.3.5) (Ecto-5'-nucleotidase) (5'-NT) (CD73 antigen)	5NTD_HUMAN	63351	LDNYSTQELGK	K	T	95%	72.3	38.6	5.15	1	0	1268.6	331	341		333
(P22304) Iduronate 2-sulfatase precursor (EC 3.1.6.13) (Alpha-L-iduronate sulfate sulfatase) (Idursulfase) [Contains: Iduronate 2-sulfatase 42 kDa chain; Iduronate 2-sulfatase 14 kDa chain]	IDS_HUMAN	61857	VHAGNFSTIPQYFK	R	E	95%	63.9	38.8	5.31	1	0	1609.8	111	124		115
(P22304) Iduronate 2-sulfatase precursor (EC 3.1.6.13) (Alpha-L-iduronate sulfate sulfatase) (Idursulfase) [Contains: Iduronate 2-sulfatase 42 kDa chain; Iduronate 2-sulfatase 14 kDa chain]	IDS_HUMAN	61857	QREDVQALNISVPYGPIPVDFQR	R	K	95%	0.0	0.0	9.92	1	0	2625.3	272	294		280
(P23470) Receptor-type tyrosine-protein phosphatase gamma precursor (EC 3.1.3.48) (Protein-tyrosine phosphatase gamma) (R-PTP-gamma)	PTPRG_HUMAN	162042	VGEEYQELQLDGFDNESSNK	R	T	95%	34.8	38.5	5.77	2	0	2302.0	95	114	113	109
(P23470) Receptor-type tyrosine-protein phosphatase gamma precursor (EC 3.1.3.48) (Protein-tyrosine phosphatase gamma) (R-PTP-gamma)	PTPRG_HUMAN	162042	SDFSQTMLFQANTTR	R	I	95%	97.6	38.9	4.37	2	0	1763.8	433	447	444	
(P24821) Tenascin precursor (TN) (Hexabrachion) (Cytotactin) (Neuronectin) (GMEM) (JI) (Miotendinous antigen) (Glioma-associated-extracellular matrix antigen) (GP 150-225) (Tenascin-C) (TN-C)	TENA_HUMAN	240845	QSGVNATLPEENQPVVFNHVYNIK	R	L	95%	0.0	0.0	3.85	1	0	2681.3	34	57		38

(P24821) Tenascin precursor (TN) (Hexabrachion) (Cytotactin) (Neuronectin) (GMEM) (JI) (Miotendinous antigen) (Glioma-associated-extracellular matrix antigen) (GP 150-225) (Tenascin-C) (TN-C)	TENA_HUMAN	240845	LNYSLPTGQWVGVQLPR	R	N	95%	71.1	38.4	7.89	2	0	1929.0	1017	1033		1018
(P24821) Tenascin precursor (TN) (Hexabrachion) (Cytotactin) (Neuronectin) (GMEM) (JI) (Miotendinous antigen) (Glioma-associated-extracellular matrix antigen) (GP 150-225) (Tenascin-C) (TN-C)	TENA_HUMAN	240845	NTTSYVLR	R	G	95%	51.3	38.4	2.96	1	0	954.5	1034	1041		1034
(P24821) Tenascin precursor (TN) (Hexabrachion) (Cytotactin) (Neuronectin) (GMEM) (JI) (Miotendinous antigen) (Glioma-associated-extracellular matrix antigen) (GP 150-225) (Tenascin-C) (TN-C)	TENA_HUMAN	240845	LLETVEYNISGAER	R	T	95%	60.7	38.5	4.68	1	0	1594.8	1478	1491		1485
(P26006) Integrin alpha-3 precursor (Galactoprotein B3) (GAPB3) (VLA-3 alpha chain) (FRP-2) (CD49c antigen) [Contains: Integrin alpha-3 heavy chain; Integrin alpha-3 light chain]	ITA3_HUMAN	118682	NITIVTGAPR	K	H	95%	77.7	39.1	1.77	2	0	1042.6	265	274		265
(P26006) Integrin alpha-3 precursor (Galactoprotein B3) (GAPB3) (VLA-3 alpha chain) (FRP-2) (CD49c antigen) [Contains: Integrin alpha-3 heavy chain; Integrin alpha-3 light chain]	ITA3_HUMAN	118682	DKLRPIIISMNYSLPLR	R	M	95%	60.0	39.3	3.62	0	1	2046.1	563	579		573
(P26006) Integrin alpha-3 precursor (Galactoprotein B3) (GAPB3) (VLA-3 alpha chain) (FRP-2) (CD49c antigen) [Contains: Integrin alpha-3 heavy chain; Integrin alpha-3 light chain]	ITA3_HUMAN	118682	LRPIIISMNYSLPLR	K	M	95%	59.9	39.1	3.42	0	1	1803.0	565	579		573
(P26006) Integrin alpha-3 precursor (Galactoprotein B3) (GAPB3) (VLA-3 alpha chain) (FRP-2) (CD49c antigen) [Contains: Integrin alpha-3 heavy chain; Integrin alpha-3 light chain]	ITA3_HUMAN	118682	SLDAYPILNQAQALENHTEVQFQK	R	E	95%	104.0	38.0	7.96	2	2	2758.4	590	613		605
(P26006) Integrin alpha-3 precursor (Galactoprotein B3) (GAPB3) (VLA-3 alpha chain) (FRP-2) (CD49c antigen) [Contains: Integrin alpha-3 heavy chain; Integrin alpha-3 light chain]	ITA3_HUMAN	118682	LLLSINVTNTR	K	T	95%	83.2	39.7	4.15	2	0	1244.7	651	661		656
(P26006) Integrin alpha-3 precursor (Galactoprotein B3) (GAPB3) (VLA-3 alpha chain) (FRP-2) (CD49c antigen) [Contains: Integrin alpha-3 heavy chain; Integrin alpha-3 light chain]	ITA3_HUMAN	118682	AHCVWLECPIPDAPVVTNVTVK	R	A	95%	92.7	38.1	8.27	2	2	2506.2	909	930		926
(P26006) Integrin alpha-3 precursor (Galactoprotein B3) (GAPB3) (VLA-3 alpha chain) (FRP-2) (CD49c antigen) [Contains: Integrin alpha-3 heavy chain; Integrin alpha-3 light chain]	ITA3_HUMAN	118682	VWNSTFIEDYR	R	D	95%	98.2	39.1	6.08	2	0	1430.7	933	943		935
(P26006) Integrin alpha-3 precursor (Galactoprotein B3) (GAPB3) (VLA-3 alpha chain) (FRP-2) (CD49c antigen) [Contains: Integrin alpha-3 heavy chain; Integrin alpha-3 light chain]	ITA3_HUMAN	118682	TSIPTINMENK	R	T	95%	42.8	39.2	1.85	1	0	1264.6	960	970		969
(P27487) Dipeptidyl peptidase 4 (EC 3.4.14.5) (Dipeptidyl peptidase IV) (DPP IV) (T-cell activation antigen CD26) (TP103) (Adenosine deaminase complexing protein 2) (ADABP) [Contains: Dipeptidyl peptidase 4 membrane form (Dipeptidyl peptidase	DPP4_HUMAN	88263	QLITEERIPNNTQWVTWSPVGHK	R	L	95%	0.0	0.0	6.36	0	1	2717.4	141	163	150	
(P27487) Dipeptidyl peptidase 4 (EC 3.4.14.5) (Dipeptidyl peptidase IV) (DPP IV) (T-cell activation antigen CD26) (TP103) (Adenosine deaminase complexing protein 2) (ADABP) [Contains: Dipeptidyl peptidase 4 membrane form (Dipeptidyl peptidase	DPP4_HUMAN	88263	IPNNTQWVTWSPVGHK	R	L	95%	94.1	38.4	4.70	2	0	1864.9	148	163	150	
(P27487) Dipeptidyl peptidase 4 (EC 3.4.14.5) (Dipeptidyl peptidase IV) (DPP IV) (T-cell activation antigen CD26) (TP103) (Adenosine deaminase complexing protein 2) (ADABP) [Contains: Dipeptidyl peptidase 4 membrane form (Dipeptidyl peptidase	DPP4_HUMAN	88263	RIQNYSVMDICDYDESSGR	R	W	95%	54.7	38.7	2.11	0	2	2325.0	318	336	321	
(P27487) Dipeptidyl peptidase 4 (EC 3.4.14.5) (Dipeptidyl peptidase IV) (DPP IV) (T-cell activation antigen CD26) (TP103) (Adenosine deaminase complexing protein 2) (ADABP) [Contains: Dipeptidyl peptidase 4 membrane form (Dipeptidyl peptidase	DPP4_HUMAN	88263	IQNYSVMDICDYDESSGR	R	W	95%	126.0	38.5	6.23	3	0	2168.9	319	336	321	
(P27487) Dipeptidyl peptidase 4 (EC 3.4.14.5) (Dipeptidyl peptidase IV) (DPP IV) (T-cell activation antigen CD26) (TP103) (Adenosine deaminase complexing protein 2) (ADABP) [Contains: Dipeptidyl peptidase 4 membrane form (Dipeptidyl peptidase	DPP4_HUMAN	88263	KLDFIILNETK	K	F	95%	71.8	38.7	8.00	2	0	1334.8	513	523	520	

(P27487) Dipeptidyl peptidase 4 (EC 3.4.14.5) (Dipeptidyl peptidase IV) (DPP IV) (T-cell activation antigen CD26) (TP103) (Adenosine deaminase complexing protein 2) (ADABP) [Contains: Dipeptidyl peptidase 4 membrane form (Dipeptidyl peptidase	DPP4_HUMAN	88263	LDFIILNETK	K	F	95%	66.0	39.3	2.72	2	0	1206.7	514	523	520	
(P28799) Granulins precursor (Proepithelin) (PEPI) [Contains: Acrogranin; Paragranulin; Granulin-1 (Granulin G); Granulin-2 (Granulin F); Granulin-3 (Granulin B); Granulin-4 (Granulin A); Granulin-5 (Granulin C); Granulin-6 (Granulin D); Granul	GRN_HUMAN	63522	YGCCPMPNATCCSDHLHCCPQDTVCDLIQSK	K	C	95%	77.9	38.0	4.85	0	2	3801.5	229	259		236
(P28799) Granulins precursor (Proepithelin) (PEPI) [Contains: Acrogranin; Paragranulin; Granulin-1 (Granulin G); Granulin-2 (Granulin F); Granulin-3 (Granulin B); Granulin-4 (Granulin A); Granulin-5 (Granulin C); Granulin-6 (Granulin D); Granul	GRN_HUMAN	63522	CLSKENATTDLLTK	K	L	95%	0.0	0.0	8.31	2	0	1577.8	260	273		265
(P28799) Granulins precursor (Proepithelin) (PEPI) [Contains: Acrogranin; Paragranulin; Granulin-1 (Granulin G); Granulin-2 (Granulin F); Granulin-3 (Granulin B); Granulin-4 (Granulin A); Granulin-5 (Granulin C); Granulin-6 (Granulin D); Granul	GRN_HUMAN	63522	DVECGEGHFCHDNQTCCR	K	D	95%	76.5	38.0	4.54	2	0	2281.8	518	535		530
(P28827) Receptor-type tyrosine-protein phosphatase mu precursor (EC 3.1.3.48) (Protein-tyrosine phosphatase mu) (R-PTP-mu)	PTPRM_HUMAN	163616	VNNGPLGNPIWNISGDPTR	K	T	95%	94.4	38.7	3.85	2	0	2023.0	120	138	131	
(P28827) Receptor-type tyrosine-protein phosphatase mu precursor (EC 3.1.3.48) (Protein-tyrosine phosphatase mu) (R-PTP-mu)	PTPRM_HUMAN	163616	WEPFGYNVTR	R	C	95%	30.9	38.9	3.39	1	0	1269.6	400	409		406
(P29323) Ephrin type-B receptor 2 precursor (EC 2.7.10.1) (Tyrosine-protein kinase receptor EPH-3) (DRT) (Receptor protein-tyrosine kinase HEK5) (ERK) (NY-REN-47 antigen)	EPHB2_HUMAN	117476	AGFEAVENGTVCR	K	G	95%	55.4	39.2	6.89	1	0	1410.6	258	270		265
(P30481) HLA class I histocompatibility antigen, B-44 alpha chain precursor (MHC class I antigen B*44) (Bw-44)	1B44_HUMAN	40477	YYNQSEAGSHIIQR	R	M	95%	46.9	38.9	5.16	1	0	1666.8	108	121		110
(P30501) HLA class I histocompatibility antigen, Cw-2 alpha chain precursor (MHC class I antigen Cw*2)	1C02_HUMAN	40754	GYYNQSEAGSHTLQR	R	M	95%	71.4	38.6	1.14	1	0	1711.8	107	121		110
(P30530) Tyrosine-protein kinase receptor UFO precursor (EC 2.7.10.1) (AXL oncogene)	UFO_HUMAN	97418	TVAANTPFNLSCQAQGPPEPVDLLWLQDAVPLATAPGHGPQR	R	S	95%	74.0	37.3	10.40	0	1	4436.2	142	183		150
(P34059) N-acetylgalactosamine-6-sulfatase precursor (EC 3.1.6.4) (N-acetylgalactosamine-6-sulfate sulfatase) (Galactose-6-sulfate sulfatase) (GalNAc6S sulfatase) (Chondroitinsulfatase) (Chondroitinase)	GALNS_HUMAN	58009	TGEANLTQIYLQEALDFIK	K	R	95%	111.0	38.7	8.52	2	0	2168.1	200	218		204
(P34059) N-acetylgalactosamine-6-sulfatase precursor (EC 3.1.6.4) (N-acetylgalactosamine-6-sulfate sulfatase) (Galactose-6-sulfate sulfatase) (GalNAc6S sulfatase) (Chondroitinsulfatase) (Chondroitinase)	GALNS_HUMAN	58009	QGIDFCPGQNVSGVTTHNLEDHTK	R	L	95%	0.0	0.0	5.11	1	0	2638.2	414	437		423
(P35555) Fibrillin-1 precursor	FBN1_HUMAN	312283	VLPVNVTDYCQLVR	R	Y	95%	62.1	38.6	6.34	2	0	1676.9	444	457		448
(P35555) Fibrillin-1 precursor	FBN1_HUMAN	312283	AWGTPCEMCPAVNTSEYK	K	I	95%	59.6	38.9	4.82	1	0	2117.9	1569	1586		1581
(P35613) Basigin precursor (Leukocyte activation antigen M6) (Collagenase stimulatory factor) (Extracellular matrix metalloproteinase inducer) (EMMPRIN) (5F7) (Tumor cell-derived collagenase stimulatory factor) (TCSF) (OK blood group antigen)	BASI_HUMAN	42182	ILLTCSLNDSATEVTGHR	K	W	95%	133.0	38.2	5.27	4	2	1988.0	153	170	160	
(P35613) Basigin precursor (Leukocyte activation antigen M6) (Collagenase stimulatory factor) (Extracellular matrix metalloproteinase inducer) (EMMPRIN) (5F7) (Tumor cell-derived collagenase stimulatory factor) (TCSF) (OK blood group antigen)	BASI_HUMAN	42182	ITDSEDKALMNGSESR	K	F	95%	76.0	38.8	4.82	2	0	1769.8	258	273	268	
(P41271) Neuroblastoma suppressor of tumorigenicity 1 precursor (Zinc finger protein DAN) (N03)	NBL1_HUMAN	19258	NITQIVGHSGCEAK	K	S	95%	88.6	38.7	7.00	1	0	1514.7	38	51		38
(P42785) Lysosomal Pro-X carboxypeptidase precursor (EC 3.4.16.2) (Prolylcarboxypeptidase) (PRCP) (Proline carboxypeptidase) (Angiotensinase C) (Lysosomal carboxypeptidase C)	PCP_HUMAN	55783	NYSVLYFQQK	K	V	95%	55.2	38.7	4.24	1	0	1290.6	47	56		47
(P42785) Lysosomal Pro-X carboxypeptidase precursor (EC 3.4.16.2) (Prolylcarboxypeptidase) (PRCP) (Proline carboxypeptidase) (Angiotensinase C) (Lysosomal carboxypeptidase C)	PCP_HUMAN	55783	NISSHTNIVFSNGELDPWSGGGVTK	K	D	95%	64.3	37.9	9.14	2	0	2618.2	415	439		415
(P42892) Endothelin-converting enzyme 1 (EC 3.4.24.71) (ECE-1)	ECE1_HUMAN	87147	HLLENSTASVSEAER	K	K	95%	107.0	38.6	7.51	2	0	1643.8	162	176		166
(P43121) Cell surface glycoprotein MUC18 precursor (Melanoma-associated antigen MUC18) (Melanoma cell adhesion molecule) (Melanoma-associated antigen A32) (S-endo 1 endothelial-associated antigen) (Cell surface glycoprotein P1H12) (CD146 anti	MUC18_HUMAN	71589	CGLSQSQGNLSHVDWFSVHK	K	E	95%	0.0	0.0	9.01	1	0	2270.0	48	67		56
(P43251) Biotinidase precursor (EC 3.5.1.12)	BTD_HUMAN	58896	DVQIIVFPEDGIHGFNFTR	K	T	95%	0.0	0.0	4.54	0	1	2205.1	84	102	99	
(P43251) Biotinidase precursor (EC 3.5.1.12)	BTD_HUMAN	58896	FNDTEVLQR	R	L	95%	61.3	38.5	1.52	1	0	1122.5	129	137	130	

(P43251) Biotinidase precursor (EC 3.5.1.12)	BTD_HUMAN	58896	NPVGLIGAENATGETDPSHSK	K	F	95%	81.1	38.6	9.60	1	0	2095.0	320	340	329	
(P43307) Translocon-associated protein alpha subunit precursor (TRAP-alpha) (Signal sequence receptor alpha subunit) (SSR-alpha)	SSRA_HUMAN	32218	YPQDYQFYIQNFTALPLNTVVPPQR	R	Q	95%	91.2	37.6	5.64	2	0	3013.5	126	150	136	
(P43308) Translocon-associated protein beta subunit precursor (TRAP-beta) (Signal sequence receptor beta subunit) (SSR-beta)	SSRB_HUMAN	20118	IAPASNVSHTVVLRPLK	R	A	95%	81.4	38.5	6.55	2	0	1803.0	83	99	88	
(P48960) CD97 antigen precursor (Leukocyte antigen CD97)	CD97_HUMAN	91852	WCPQNSSCVNATACR	R	C	95%	39.0	38.9	3.28	1	0	1811.7	29	43		33
(P50897) Palmitoyl-protein thioesterase 1 precursor (EC 3.1.2.22) (Palmitoyl-protein hydrolase 1)	PPT1_HUMAN	34176	EDVYRNHSIFLADINQER	K	G	95%	62.4	39.2	2.80	0	2	2220.1	192	209		197
(P50897) Palmitoyl-protein thioesterase 1 precursor (EC 3.1.2.22) (Palmitoyl-protein hydrolase 1)	PPT1_HUMAN	34176	NHSIFLADINQER	R	G	95%	74.8	39.3	4.46	2	1	1557.8	197	209		197
(P50897) Palmitoyl-protein thioesterase 1 precursor (EC 3.1.2.22) (Palmitoyl-protein hydrolase 1)	PPT1_HUMAN	34176	FLNDSIVDPVDSEWFGFYR	K	S	95%	103.0	38.6	8.80	2	1	2307.1	230	248	232	
(P51688) N-sulphoglucosamine sulphohydrolase precursor (EC 3.10.1.1) (Sulfoglucosamine sulfamidase) (Sulphamidase)	SPHM_HUMAN	56678	NALLLLADDGGFESGAYNNSAIATPHLDALAR	R	R	95%	166.0	38.8	12.80	0	1	3272.6	24	55	41	
(P51688) N-sulphoglucosamine sulphohydrolase precursor (EC 3.10.1.1) (Sulfoglucosamine sulfamidase) (Sulphamidase)	SPHM_HUMAN	56678	DAGVLNDTLVIFTSDNGIPFPSGR	R	T	95%	68.9	38.3	9.12	1	0	2507.2	259	282	264	
(P51688) N-sulphoglucosamine sulphohydrolase precursor (EC 3.10.1.1) (Sulfoglucosamine sulfamidase) (Sulphamidase)	SPHM_HUMAN	56678	MPFPIDQDFYVSPTFQDLLNR	K	T	95%	63.2	38.0	6.30	2	0	2560.2	394	414		413
(P52803) Ephrin-A5 precursor (EPH-related receptor tyrosine kinase ligand 7) (LERK-7) (AL-1)	EFNA5_HUMAN	26279	YAVYWNSSNPR	R	F	95%	60.1	39.3	1.82	1	0	1357.6	32	42	37	
(P53634) Dipeptidyl-peptidase 1 precursor (EC 3.4.14.1) (Dipeptidyl-peptidase I) (DPP-I) (DPPI) (Cathepsin C) (Cathepsin J) (Dipeptidyl transferase) [Contains: Dipeptidyl-peptidase 1 exclusion domain chain (Dipeptidyl-peptidase I exclusion dom	CATC_HUMAN	51824	DVNCSVMGPQEK	R	K	95%	85.2	39.1	2.16	5	0	1380.6	51	62	53	
(P53634) Dipeptidyl-peptidase 1 precursor (EC 3.4.14.1) (Dipeptidyl-peptidase I) (DPP-I) (DPPI) (Cathepsin C) (Cathepsin J) (Dipeptidyl transferase) [Contains: Dipeptidyl-peptidase 1 exclusion domain chain (Dipeptidyl-peptidase I exclusion dom	CATC_HUMAN	51824	VTTYCNETMTGWVHDVLGR	K	N	95%	116.0	38.3	9.12	5	3	2240.0	114	132	119	
(P54289) Dihydropyridine-sensitive L-type, calcium channel alpha-2/delta subunits precursor [Contains: L-type calcium channel alpha-2 subunit; L-type calcium channel delta subunit]	CAC2D_HUMAN	123169	ISDNNTEFLLNFNEFIDR	K	K	95%	56.3	38.6	4.43	1	0	2202.0	660	677	663	
(P54709) Sodium/potassium-transporting ATPase subunit beta-3 (Sodium/potassium-dependent ATPase beta-3 subunit) (ATPB-3) (CD298 antigen)	AT1B3_HUMAN	31496	FLKPYTLEEQKNLTVCPDGALFEQK	K	G	95%	53.9	38.8	6.66	0	2	2969.5	113	137		124
(P54852) Epithelial membrane protein 3 (EMP-3) (YMP protein) (Hematopoietic neural membrane protein) (HNMP-1)	EMP3_HUMAN	18412	ESLNLWYDCTWNNDTK	K	T	95%	74.3	38.8	3.96	2	0	2059.9	35	50		47
(P56159) GDNF family receptor alpha-1 precursor (GFR-alpha-1) (GDNF receptor alpha) (GDNFR-alpha) (TGF-beta-related neurotrophic factor receptor 1) (RET ligand 1)	GFRA1_HUMAN	51439	ETNFSLASGLEAK	K	D	95%	91.4	38.9	10.70	2	0	1367.7	57	69		59
(P56199) Integrin alpha-1 (Laminin and collagen receptor) (VLA-1) (CD49a antigen)	ITA1_HUMAN	127823	VYVYALNQTR	K	F	95%	55.3	39.2	2.40	1	0	1227.6	526	535	532	
(P61916) Epididymal secretory protein E1 precursor (Niemann-Pick disease type C2 protein) (hE1)	NPC2_HUMAN	16552	DCGSVDGVIKEVNVSPCPTQPCQLSK	K	G	95%	75.6	39.0	3.05	0	1	2874.3	26	51		58
(P61916) Epididymal secretory protein E1 precursor (Niemann-Pick disease type C2 protein) (hE1)	NPC2_HUMAN	16552	EVNVSPCPTQPCQLSK	K	G	95%	54.3	39.0	3.96	2	0	1843.9	36	51		58
(P61916) Epididymal secretory protein E1 precursor (Niemann-Pick disease type C2 protein) (hE1)	NPC2_HUMAN	16552	GQSYSVNVTFTSNIQSK	K	S	95%	111.0	38.5	5.80	14	0	1860.9	52	68		58
(P78324) Tyrosine-protein phosphatase non-receptor type substrate 1 precursor (SHP substrate 1) (SHPS-1) (Inhibitory receptor SHPS-1) (Signal-regulatory protein alpha-1) (Sirp-alpha-1) (Sirp-alpha 2) (Sirp-alpha-3) (MyD-1 antigen) (Brain Ig-l	SHPS1_HUMAN	54793	GTANLSETIR	R	V	95%	59.9	38.8	2.19	1	0	1062.5	241	250	244	
(P78324) Tyrosine-protein phosphatase non-receptor type substrate 1 precursor (SHP substrate 1) (SHPS-1) (Inhibitory receptor SHPS-1) (Signal-regulatory protein alpha-1) (Sirp-alpha-1) (Sirp-alpha 2) (Sirp-alpha-3) (MyD-1 antigen) (Brain Ig-l	SHPS1_HUMAN	54793	AENQVNVTCQVR	R	K	95%	58.5	38.8	5.23	1	0	1418.7	264	275		269
(Q01459) Di-N-acetylchitobiase precursor (EC 3.2.1.)	DIAC_HUMAN	43743	QINSSISGNLWDKDQR	K	A	95%	46.1	38.5	3.80	3	0	1861.9	297	312		299
(Q02809) Procollagen-lysine,2-oxoglutarate 5-dioxygenase 1 precursor (EC 1.14.11.4) (Lysyl hydroxylase 1) (LH1)	PLOD1_HUMAN	83535	EQINITLDHR	R	C	95%	43.7	38.6	2.82	1	0	1239.6	194	203		197
(Q07954) Low-density lipoprotein receptor-related protein 1 precursor (LRP) (Alpha-2-macroglobulin receptor) (A2MR) (Apolipoprotein E receptor) (APOER) (CD91 antigen)	LRP1_HUMAN	504543	LTSCATNASICGDEAR	K	C	95%	42.7	38.9	2.89	1	0	1726.7	3782	3797		3788

(Q08380) Galectin-3-binding protein precursor (Lectin galactoside-binding soluble 3-binding protein) (Mac-2-binding protein) (Mac-2 BP) (MAC2BP) (Tumor-associated antigen 90K)	LG3BP_HUMAN	65314	ALGFENATQALGR	R	A	95%	81.8	39.2	5.72	2	0	1348.7	64	76	69	
(Q08380) Galectin-3-binding protein precursor (Lectin galactoside-binding soluble 3-binding protein) (Mac-2-binding protein) (Mac-2 BP) (MAC2BP) (Tumor-associated antigen 90K)	LG3BP_HUMAN	65314	EPGSNVTMSVDAECVPMVR	K	D	95%	96.1	38.4	7.03	3	0	2094.9	188	206	192	
(Q08380) Galectin-3-binding protein precursor (Lectin galactoside-binding soluble 3-binding protein) (Mac-2-binding protein) (Mac-2 BP) (MAC2BP) (Tumor-associated antigen 90K)	LG3BP_HUMAN	65314	YKGLNLTEDTYKPR	R	I	95%	72.9	39.0	10.60	2	2	1698.9	394	407	398	
(Q08380) Galectin-3-binding protein precursor (Lectin galactoside-binding soluble 3-binding protein) (Mac-2-binding protein) (Mac-2 BP) (MAC2BP) (Tumor-associated antigen 90K)	LG3BP_HUMAN	65314	GLNLTEDTYKPR	K	I	95%	73.6	39.2	7.09	2	0	1407.7	396	407	398	
(Q08380) Galectin-3-binding protein precursor (Lectin galactoside-binding soluble 3-binding protein) (Mac-2-binding protein) (Mac-2 BP) (MAC2BP) (Tumor-associated antigen 90K)	LG3BP_HUMAN	65314	AAIPSALDTNSSK	K	S	95%	76.8	39.4	5.21	2	0	1275.6	542	554	551	
(Q08380) Galectin-3-binding protein precursor (Lectin galactoside-binding soluble 3-binding protein) (Mac-2-binding protein) (Mac-2 BP) (MAC2BP) (Tumor-associated antigen 90K)	LG3BP_HUMAN	65314	TVIRPFYLTNSSGVD	R	-	95%	42.8	39.1	3.92	2	0	1669.8	571	585	580	
(Q08722) Leukocyte surface antigen CD47 precursor (Integrin-associated protein) (IAP) (Antigenic surface determinant protein OA3) (MER6)	CD47_HUMAN	35197	SDAVSHTGNYTCEVTELTR	K	E	95%	82.0	38.3	14.00	1	0	2140.9	103	121	111	
(Q12841) Follistatin-related protein 1 precursor (Follistatin-like 1)	FSTL1_HUMAN	34967	GSNYSEILDK	K	Y	95%	53.6	38.7	2.92	2	0	1126.5	142	151		144
(Q12841) Follistatin-related protein 1 precursor (Follistatin-like 1)	FSTL1_HUMAN	34967	GSNYSEILDKYFK	K	N	95%	60.9	38.5	4.09	1	0	1564.8	142	154		144
(Q13308) Tyrosine-protein kinase-like 7 precursor (Colon carcinoma kinase 4) (CCK-4)	PTK7_HUMAN	118243	MHIFQNGSLVIHDVAPEDSGR	R	Y	95%	56.5	38.8	5.51	0	1	2339.1	641	661	646	
(Q13510) Acid ceramidase precursor (EC 3.5.1.23) (Acylsphingosine deacylase) (N-acylsphingosine amidohydrolase) (AC) (Putative 32 kDa heart protein) (PHP32) [Contains: Acid ceramidase alpha subunit; Acid ceramidase beta subunit]	ASAH1_HUMAN	44633	TVLENSTSYEEAK	R	N	95%	82.7	39.2	3.70	2	0	1471.7	255	267	259	
(Q13510) Acid ceramidase precursor (EC 3.5.1.23) (Acylsphingosine deacylase) (N-acylsphingosine amidohydrolase) (AC) (Putative 32 kDa heart protein) (PHP32) [Contains: Acid ceramidase alpha subunit; Acid ceramidase beta subunit]	ASAH1_HUMAN	44633	TVLENSTSYEEAKNLLTK	R	T	95%	107.0	38.4	8.23	2	0	2041.0	255	272	259	
(Q13510) Acid ceramidase precursor (EC 3.5.1.23) (Acylsphingosine deacylase) (N-acylsphingosine amidohydrolase) (AC) (Putative 32 kDa heart protein) (PHP32) [Contains: Acid ceramidase alpha subunit; Acid ceramidase beta subunit]	ASAH1_HUMAN	44633	ILAPAYFILGGNQSGEGCVITR	K	D	95%	82.6	38.7	10.70	2	0	2337.2	275	296	286	
(Q13510) Acid ceramidase precursor (EC 3.5.1.23) (Acylsphingosine deacylase) (N-acylsphingosine amidohydrolase) (AC) (Putative 32 kDa heart protein) (PHP32) [Contains: Acid ceramidase alpha subunit; Acid ceramidase beta subunit]	ASAH1_HUMAN	44633	TSQENISFETMYDVLSTKPVLNK	R	L	95%	113.0	38.1	9.62	4	0	2644.3	344	366		348
(Q13641) Trophoblast glycoprotein precursor (5T4 oncofetal trophoblast glycoprotein) (5T4 oncotrophoblast glycoprotein) (5T4 oncofetal antigen) (M6P1)	TPBG_HUMAN	46015	CVNRNLTEVPTDLPAYVR	K	N	95%	0.0	0.0	7.15	1	0	2101.0	77	94		81
(Q13641) Trophoblast glycoprotein precursor (5T4 oncofetal trophoblast glycoprotein) (5T4 oncotrophoblast glycoprotein) (5T4 oncofetal antigen) (M6P1)	TPBG_HUMAN	46015	NLTEVPTDLPAYVR	R	N	95%	39.8	39.4	2.47	1	0	1588.8	81	94		81
(Q13641) Trophoblast glycoprotein precursor (5T4 oncofetal trophoblast glycoprotein) (5T4 oncotrophoblast glycoprotein) (5T4 oncofetal antigen) (M6P1)	TPBG_HUMAN	46015	RPPLAELAALNLSGSR	R	L	95%	83.6	38.6	1.64	2	0	1665.9	114	129		124
(Q13641) Trophoblast glycoprotein precursor (5T4 oncofetal trophoblast glycoprotein) (5T4 oncotrophoblast glycoprotein) (5T4 oncofetal antigen) (M6P1)	TPBG_HUMAN	46015	NLTHLESLHLEDNALK	R	V	95%	46.8	39.5	3.25	0	1	1848.0	256	271		256
(Q13740) CD166 antigen precursor (Activated leukocyte-cell adhesion molecule) (ALCAM)	CD166_HUMAN	65116	SVQYDDVPEYKDRLNLSENYTLSISNAR	K	I	95%	67.1	38.3	5.11	0	2	3290.6	77	104	91, 95	
(Q13740) CD166 antigen precursor (Activated leukocyte-cell adhesion molecule) (ALCAM)	CD166_HUMAN	65116	LNLSENYTLSISNAR	R	I	95%	109.0	38.6	6.82	4	0	1695.9	90	104	91, 95	
(Q13740) CD166 antigen precursor (Activated leukocyte-cell adhesion molecule) (ALCAM)	CD166_HUMAN	65116	KLGDCISEDSYPDGNITWYR	K	N	95%	77.9	37.9	6.36	2	2	2390.1	153	172	167	
(Q13740) CD166 antigen precursor (Activated leukocyte-cell adhesion molecule) (ALCAM)	CD166_HUMAN	65116	NAIKEGDNITLK	K	C	95%	78.2	38.9	5.03	9	0	1316.7	258	269	265	
(Q13740) CD166 antigen precursor (Activated leukocyte-cell adhesion molecule) (ALCAM)	CD166_HUMAN	65116	NATVVWMK	R	D	95%	47.4	38.8	2.24	1	0	965.5	361	368		361
(Q13740) CD166 antigen precursor (Activated leukocyte-cell adhesion molecule) (ALCAM)	CD166_HUMAN	65116	NATVVWMKDNIR	R	L	95%	53.6	38.6	5.06	1	0	1463.7	361	372		361
(Q13740) CD166 antigen precursor (Activated leukocyte-cell adhesion molecule) (ALCAM)	CD166_HUMAN	65116	IIISPEENVTLTCTAENQLER	K	T	95%	105.0	38.5	8.60	3	0	2431.2	473	493	480	

(Q13740) CD166 antigen precursor (Activated leukocyte-cell adhesion molecule) (ALCAM)	CD166_HUMAN	65116	TVNSLNVSAISIPEHDEADEISDENR	R	E	95%	92.1	37.6	6.11	1	1	2855.3	494	519	499	
(Q13740) CD166 antigen precursor (Activated leukocyte-cell adhesion molecule) (ALCAM)	CD166_HUMAN	65116	TVNSLNVSAISIPEHDEADEISDENREK	R	V	95%	100.0	38.3	4.48	0	2	3112.5	494	521	499	
(Q14108) Lysosome membrane protein 2 (Lysosome membrane protein II) (LIMP II) (Scavenger receptor class B member 2) (85 kDa lysosomal membrane sialoglycoprotein) (LGP85) (CD36 antigen-like 2)	SCRB2_HUMAN	54143	ANIQFGDNGTTISAVSNK	K	A	95%	86.8	39.1	9.30	1	0	1837.9	97	114		105
(Q14126) Desmoglein-2 precursor (HDGC)	DSG2_HUMAN	122367	DTGELNVTSILDREETPFFLLTGYALDAR	K	G	95%	66.1	38.6	1.57	0	1	3257.6	106	134	112	
(Q16563) Synaptophysin-like protein 1 (Pantophysin)	SYPL1_HUMAN	28548	GQTEIQVNCPPAVTENK	K	T	95%	74.1	38.6	4.85	1	0	1885.9	56	72		71
(Q5ZPR3) CD276 antigen precursor (Costimulatory molecule) (B7 homolog 3) (B7-H3) (4Ig-B7-H3)	CD276_HUMAN	57216	QLVHSFAEGQDQGSAYANR	K	T	95%	0.0	0.0	14.00	2	0	2061.9	74	92		91
(Q5ZPR3) CD276 antigen precursor (Costimulatory molecule) (B7 homolog 3) (B7-H3) (4Ig-B7-H3)	CD276_HUMAN	57216	TALFPDLLAQGNASLR	R	L	95%	101.0	38.7	8.05	2	1	1687.9	93	108		104
(Q5ZPR3) CD276 antigen precursor (Costimulatory molecule) (B7 homolog 3) (B7-H3) (4Ig-B7-H3)	CD276_HUMAN	57216	VVLGANGTYSCLVR	R	N	95%	93.4	39.1	6.80	2	0	1509.8	210	223		215
(Q5ZPR3) CD276 antigen precursor (Costimulatory molecule) (B7 homolog 3) (B7-H3) (4Ig-B7-H3)	CD276_HUMAN	57216	GYPEAEVFWQDGQGVPLTGNVTTSQMANEQGLFDVHSVLR	R	V	95%	120.0	37.8	14.00	0	2	4395.1	388	427		407
(Q6EMK4) Vasorin precursor (Protein Slit-like 2)	VASN_HUMAN	71696	LHEITNETFR	R	G	95%	35.7	38.8	3.51	2	0	1260.6	112	121	117	
(Q6UX71) Plexin domain-containing protein 2 precursor (Tumor endothelial marker 7-related protein)	PXDC2_HUMAN	59565	SFTDLLLDDGQDNNTQIEEDTDHNYYISR	R	I	95%	116.0	38.4	5.60	0	1	3434.5	91	119	103	
(Q86YB8) ERO1-like protein beta precursor (EC 1.8.4.-) (ERO1-Lbeta) (Oxidoreductin-1-Lbeta) (Endoplasmic oxidoreductin-1-like protein B)	ERO1B_HUMAN	53511	LGAINSTLSNQSK	K	E	95%	85.1	39.3	4.29	2	0	1334.7	136	148	140	145
(Q8NBK3) Sulfatase-modifying factor 1 precursor (C alpha-formyglycine-generating enzyme 1)	SUMF1_HUMAN	40538	FVNSTGYLTEAEK	K	F	95%	93.4	39.4	5.27	1	0	1459.7	139	151	141	
(Q8NCC3) 1-O-acylceramide synthase precursor (EC 2.3.1.-) (ACS) (Lysosomal phospholipase A2) (Lysophospholipase 3) (LPLA2) (LCAT-like lysophospholipase) (LLPL)	LYPA3_HUMAN	46641	SAVSTSWLLPYNYTWSPEK	R	V	95%	70.2	38.3	4.82	1	0	2230.1	262	280		273
(Q8NCC3) 1-O-acylceramide synthase precursor (EC 2.3.1.-) (ACS) (Lysosomal phospholipase A2) (Lysophospholipase 3) (LPLA2) (LCAT-like lysophospholipase) (LLPL)	LYPA3_HUMAN	46641	VFVQTPTINYTLR	K	D	95%	57.0	38.6	5.43	2	0	1552.8	281	293		289
(Q8WUT4) Protein C20orf75 precursor	CT075_HUMAN	78826	AFACFPALQLLNLSCTALGR	R	G	95%	98.0	38.7	6.21	1	0	2224.1	165	184		176
(Q8WUT4) Protein C20orf75 precursor	CT075_HUMAN	78826	YSAEGWAGNQSVVGVIYATAR	R	Q	95%	106.0	38.8	8.43	1	0	2200.1	614	634		622
(Q92484) Acid sphingomyelinase-like phosphodiesterase 3a precursor (EC 3.1.4.-) (ASM-like phosphodiesterase 3a)	ASM3A_HUMAN	51244	TDPANQFEWLESTLNNSQQNK	K	E	95%	82.6	38.0	7.80	2	0	2465.1	224	244		238
(Q92484) Acid sphingomyelinase-like phosphodiesterase 3a precursor (EC 3.1.4.-) (ASM-like phosphodiesterase 3a)	ASM3A_HUMAN	51244	LLDMLQYYLNLTEANLK	K	G	95%	88.2	38.1	6.64	2	0	2072.1	347	363		356
(Q92820) Gamma-glutamyl hydrolase precursor (EC 3.4.19.9) (Gamma-Glu-X carboxypeptidase) (Conjugase) (GH)	GGH_HUMAN	35948	WSLSVKNFTMNEK	K	L	95%	46.2	39.2	2.28	1	0	1600.8	197	209		203
(Q92896) Golgi apparatus protein 1 precursor (Golgi sialoglycoprotein MG-160) (E-selectin ligand 1) (ESL 1) (Cysteine-rich fibroblast growth factor receptor) (CFR-1)	GSLG1_HUMAN	134577	GNITEYQCHQYITK	R	M	95%	46.4	39.0	2.68	1	0	1755.8	209	222		210
(Q92896) Golgi apparatus protein 1 precursor (Golgi sialoglycoprotein MG-160) (E-selectin ligand 1) (ESL 1) (Cysteine-rich fibroblast growth factor receptor) (CFR-1)	GSLG1_HUMAN	134577	DIVGNLTELESEDIQIEALLMR	R	A	95%	73.3	38.1	10.60	1	1	2518.3	673	694	677	
(Q96AY3) FK506-binding protein 10 precursor (EC 5.2.1.8) (Peptidyl-prolyl cis-trans isomerase) (PPIase) (Rotamase) (65 kDa FK506-binding protein) (FKBP65) (Immunophilin FKBP65)	FKB10_HUMAN	64228	YHYNGTFEDGK	R	K	95%	55.0	38.9	3.80	1	0	1331.6	67	77		70
(Q96AY3) FK506-binding protein 10 precursor (EC 5.2.1.8) (Peptidyl-prolyl cis-trans isomerase) (PPIase) (Rotamase) (65 kDa FK506-binding protein) (FKBP65) (Immunophilin FKBP65)	FKB10_HUMAN	64228	YHYNGTLLDGTSFDTSYSK	R	G	95%	99.2	38.8	10.70	1	0	2170.0	179	197	182	
(Q96AY3) FK506-binding protein 10 precursor (EC 5.2.1.8) (Peptidyl-prolyl cis-trans isomerase) (PPIase) (Rotamase) (65 kDa FK506-binding protein) (FKBP65) (Immunophilin FKBP65)	FKB10_HUMAN	64228	YHYNCSLLDGTQLFTSHDYGAPQEATLGANK	R	V	95%	97.4	38.3	6.66	0	2	3472.6	404	434	407	
(Q96D42) Hepatitis A virus cellular receptor 1 precursor (HAVcr-1) (T cell immunoglobulin and mucin domain-containing protein 1) (TIMD-1) (T cell membrane protein 1) (TIM-1) (TIM)	TIMD1_HUMAN	38701	GSCSLFTCQNGIVWTNGTHVTYR	R	K	95%	90.7	39.1	5.89	0	3	2660.2	50	72		65
(Q96HE7) ERO1-like protein alpha precursor (EC 1.8.4.-) (ERO1-Lalpha) (Oxidoreductin-1-Lalpha) (Endoplasmic oxidoreductin-1-like protein) (ERO1-L)	ERO1A_HUMAN	54377	KWGHNITEFQQR	K	F	95%	58.1	38.7	4.82	2	0	1544.8	276	287		280
(Q96HE7) ERO1-like protein alpha precursor (EC 1.8.4.-) (ERO1-Lalpha) (Oxidoreductin-1-Lalpha) (Endoplasmic oxidoreductin-1-like protein) (ERO1-L)	ERO1A_HUMAN	54377	WGHNITEFQQR	K	F	95%	59.2	38.8	4.59	1	0	1416.7	277	287		280
(Q96PD2) Discoidin, CUB and LCCL domain-containing protein 2 precursor (Endothelial and smooth muscle cell-derived neuropilin-like protein) (CUB, LCCL and coagulation factor V/VIII-homology domains protein 1)	DCBD2_HUMAN	85018	YCGLGLQMNHSIESK	K	G	95%	70.3	38.5	5.68	1	0	1753.8	147	161		155

(Q99519) Sialidase-1 precursor (EC 3.2.1.18) (Lysosomal sialidase) (N-acetyl-alpha-neuraminidase 1) (Acetylneuraminyl hydrolase) (G9 sialidase)	NEUR1_HUMAN	45449	WSFSNGTSWR	R	K	95%	57.0	39.0	0.00	2	0	1228.5	348	357		352
(Q99538) Legumain precursor (EC 3.4.22.34) (Asparaginyl endopeptidase) (Protease, cysteine 1)	LGMN_HUMAN	49393	DLNETIHYMYK	K	H	95%	72.1	39.4	3.89	3	0	1427.7	165	175		167
(Q9GZM7) Tubulointerstitial nephritis antigen-like precursor (Tubulointerstitial nephritis antigen-related protein) (TIN Ag-related protein) (TIN-Ag-RP) (Glucocorticoid-inducible protein 5) (Oxidized LDL-responsive gene 2 protein) (OLRG-2)	TINAL_HUMAN	52369	ADDCALPYLGAICYCDLFCNR	R	T	95%	84.6	38.0	11.60	2	0	2568.1	59	79		78
(Q9H5V8) CUB domain-containing protein 1 precursor (Transmembrane and associated with src kinases) (Membrane glycoprotein gp140) (Subtractive immunization M plus HEp3 associated 135 kDa protein) (SIMA135) (CD318 antigen)	CDCP1_HUMAN	92858	IGTFCSNGTVSR	R	I	95%	72.2	38.9	2.52	2	0	1299.6	174	185		180
(Q9H5V8) CUB domain-containing protein 1 precursor (Transmembrane and associated with src kinases) (Membrane glycoprotein gp140) (Subtractive immunization M plus HEp3 associated 135 kDa protein) (SIMA135) (CD318 antigen)	CDCP1_HUMAN	92858	ASVSFLNFNLSNCER	R	K	95%	63.1	39.0	2.80	1	0	1758.8	262	276		270
(Q9HAT2) Sialate O-acetylesterase precursor (EC 3.1.1.53) (Sialic acid-specific 9-O-acetylesterase) (H-Lse)	SIAE_HUMAN	58297	ALAYGEKNLTFEGPLPEK	R	I	95%	111.0	38.4	6.62	2	1	1978.0	394	411		401
(Q9HDC9) Adipocyte plasma membrane-associated protein (BSCv protein)	APMAP_HUMAN	46464	AGPNGTLFVADAYK	R	G	95%	61.3	38.7	3.39	1	0	1424.7	157	170	160	
(Q9P2B2) Prostaglandin F2 receptor negative regulator precursor (Prostaglandin F2-alpha receptor regulatory protein) (Prostaglandin F2-alpha receptor-associated protein) (CD9 partner 1) (CD9P-1) (CD315 antigen)	FPRP_HUMAN	98538	ELDLTCNITTDR	K	A	95%	58.2	38.8	4.01	1	0	1451.7	294	305		300
(Q9P2B2) Prostaglandin F2 receptor negative regulator precursor (Prostaglandin F2-alpha receptor regulatory protein) (Prostaglandin F2-alpha receptor-associated protein) (CD9 partner 1) (CD9P-1) (CD315 antigen)	FPRP_HUMAN	98538	LENWTDASR	K	V	94%	42.4	38.8	0.00	1	0	1092.5	616	624		618
(Q9P2B2) Prostaglandin F2 receptor negative regulator precursor (Prostaglandin F2-alpha receptor regulatory protein) (Prostaglandin F2-alpha receptor-associated protein) (CD9 partner 1) (CD9P-1) (CD315 antigen)	FPRP_HUMAN	98538	EAATSLSNPIEIDFQTSGPIFNASVHSDTPSVIR	R	G	95%	62.4	38.4	3.00	0	1	3602.8	670	703		691
(Q9UBG0) Macrophage mannose receptor 2 precursor (Urokinase receptor-associated protein) (Endocytic receptor 180) (CD280 antigen)	MRC2_HUMAN	166637	VTPACNTSLPAQR	R	W	95%	68.6	38.8	1.92	1	0	1415.7	64	76		69
(Q9UBG0) Macrophage mannose receptor 2 precursor (Urokinase receptor-associated protein) (Endocytic receptor 180) (CD280 antigen)	MRC2_HUMAN	166637	TSNISKPGTLER	R	G	95%	61.8	38.7	2.68	1	0	1303.7	138	149		140
(Q9UBG0) Macrophage mannose receptor 2 precursor (Urokinase receptor-associated protein) (Endocytic receptor 180) (CD280 antigen)	MRC2_HUMAN	166637	WNDSPCNQSLPSICK	R	K	95%	56.3	39.3	3.96	2	0	1806.8	491	505		497
(Q9UBG0) Macrophage mannose receptor 2 precursor (Urokinase receptor-associated protein) (Endocytic receptor 180) (CD280 antigen)	MRC2_HUMAN	166637	GTDPSLSPSPAALPPAPGTELSYLNGTFR	K	L	95%	48.1	37.7	5.82	1	0	2914.4	1110	1138		1134
(Q9UBX1) Cathepsin F precursor (EC 3.4.22.41) (CATSF)	CATF_HUMAN	53349	VYINDSVELSQNEQK	K	L	95%	94.4	39.0	2.21	2	0	1766.8	375	389		378
(Q9UHG3) Prenylcysteine oxidase precursor (EC 1.8.3.5) (PCL1)	PCYOX_HUMAN	56595	LLHALGGDDFLGMLNR	K	T	95%	72.7	39.3	8.28	2	1	1758.9	182	197	196	
(Q9UHG3) Prenylcysteine oxidase precursor (EC 1.8.3.5) (PCL1)	PCYOX_HUMAN	56595	GELNTSIFSSRPIDK	K	F	95%	74.1	38.5	6.82	2	0	1664.8	350	364	353	
(Q9UHL4) Dipeptidyl-peptidase 2 precursor (EC 3.4.14.2) (Dipeptidyl-peptidase II) (DPP II) (Dipeptidyl aminopeptidase II) (Quiescent cell proline dipeptidase) (Dipeptidyl peptidase 7)	DPP2_HUMAN	54311	FGNKTFPQR	R	F	95%	45.5	39.1	1.49	1	0	1095.6	48	56		50
(Q9UHL4) Dipeptidyl-peptidase 2 precursor (EC 3.4.14.2) (Dipeptidyl-peptidase II) (DPP II) (Dipeptidyl aminopeptidase II) (Quiescent cell proline dipeptidase) (Dipeptidyl peptidase 7)	DPP2_HUMAN	54311	ALAGLVYNASGSEHCYDIYR	R	L	95%	133.0	38.2	5.55	1	0	2260.0	308	327		315
(Q9UNW1) Multiple inositol polyphosphate phosphatase 1 precursor (EC 3.1.3.62) (Inositol (1,3,4,5)-tetrakiphosphate 3-phosphatase) (Ins(1,3,4,5)P(4) 3-phosphatase)	MINP1_HUMAN	55035	FLTEVEKNATALYHVEAFK	K	T	95%	65.6	38.8	4.72	0	1	2211.1	235	253	242	
(Q9Y2E5) Epididymis-specific alpha-mannosidase precursor (EC 3.2.1.24) (Mannosidase alpha class 2B member 2)	MA2B2_HUMAN	113870	QEIFTHIMDQYSYCTPSHIPFSNR	R	S	95%	0.0	0.0	8.77	0	2	2955.3	204	227		226
(Q9Y2E5) Epididymis-specific alpha-mannosidase precursor (EC 3.2.1.24) (Mannosidase alpha class 2B member 2)	MA2B2_HUMAN	113870	VTDEAGHPVPSQIQNSTETPSAYDLLILTTIPGLSYR	R	H	95%	74.4	38.1	7.59	0	1	3985.0	502	538		516
(Q9Y2E5) Epididymis-specific alpha-mannosidase precursor (EC 3.2.1.24) (Mannosidase alpha class 2B member 2)	MA2B2_HUMAN	113870	NMTAQNYTYAIR	R	S	95%	50.3	38.7	6.02	2	0	1463.6	670	681		670, 675

(Q9Y2E5) Epididymis-specific alpha-mannosidase precursor (EC 3.2.1.24) (Mannosidase alpha class 2B member 2)	MA2B2_HUMAN	113870	RPYVSYVNNSIAR	R	N	95%	57.2	39.2	2.35	2	1	1539.8	741	753		748
(Q9Y4K0) Lysyl oxidase homolog 2 precursor (EC 1.4.3.-) (Lysyl oxidase-like protein 2) (Lysyl oxidase-related protein 2) (Lysyl oxidase-related protein WS9-14)	LOXL2_HUMAN	86705	LGPQVSLDPMKNVTCENGLPAVVSCVPGQVFSPDGPSR	K	F	95%	87.8	38.2	6.92	0	2	4026.9	277	314		288
(Q9Y4L1) 150 kDa oxygen-regulated protein precursor (Orp150) (Hypoxia up-regulated 1)	HYOU1_HUMAN	111319	VFGSQNLTTVK	R	L	95%	71.2	39.0	4.64	1	0	1194.6	510	520	515	
(Q9Y4L1) 150 kDa oxygen-regulated protein precursor (Orp150) (Hypoxia up-regulated 1)	HYOU1_HUMAN	111319	LSALDNLLNHSSMFLK	R	G	95%	56.3	38.7	5.96	2	1	1820.9	822	837	830	
(Q9Y4L1) 150 kDa oxygen-regulated protein precursor (Orp150) (Hypoxia up-regulated 1)	HYOU1_HUMAN	111319	VINETWAWK	K	N	95%	58.1	38.8	1.96	2	0	1147.6	860	868	862	
(Q9Y4L1) 150 kDa oxygen-regulated protein precursor (Orp150) (Hypoxia up-regulated 1)	HYOU1_HUMAN	111319	AEPPLNASASDQGEK	R	V	95%	93.0	39.0	7.62	3	0	1514.7	926	940	931	
(Q9Y680) FK506-binding protein 7 precursor (EC 5.2.1.8) (Peptidyl-prolyl cis-trans isomerase) (PPIase) (Rotamase) (FKBP-23)	FKBP7_HUMAN	29992	EESTEEVKIEVLHRPENCSK	K	T	95%	59.0	39.0	1.28	0	2	2414.2	29	48		45
(Q9Y680) FK506-binding protein 7 precursor (EC 5.2.1.8) (Peptidyl-prolyl cis-trans isomerase) (PPIase) (Rotamase) (FKBP-23)	FKBP7_HUMAN	29992	IEVLHRPENCSK	K	T	95%	52.6	38.8	4.11	1	0	1482.7	37	48		45

GlycoPeptide Identified in FTC-133 Cell Line

Experiment: FTC133-p16-P17-PNGF

Peak List Generator: Version: BioWorks 3.3.1
Charge States Calculated: yes

Database Set: Database Name: the Sprot_060206 database
Version: 06/26/06
Taxonomy: Homo sapiens
Number of Proteins: 14164

Search Engine Set: 2 Search Engines

Search Engine: Mascot; Version: 2.1.03
Fragment Tolerance: 0.80 Da (Monoisotopic)
Parent Tolerance: 1.6 Da (Monoisotopic)
Fixed Modifications: +57 on C (Carbamidomethyl)
Variable Modifications: +1 on N (Deamidation), +16 on M (Oxidation)
Database: the Sprot_060206 database (selected for Homo sapiens, unknown version, 14164 entries)
Digestion Enzyme: Trypsin; Max Missed Cleavages: 2

Search Engine: X! Tandem; Version: 2007.01.01.1
Fragment Tolerance: 0.100 Da (Monoisotopic)
Parent Tolerance: 1.6 Da (Monoisotopic)
Fixed Modifications: +57 on C (Carbamidomethyl)
Variable Modifications: +1 on N (Deamidation), +16 on M (Oxidation)
Database: a subset of the uniprot_sprot_060206-oval database
Digestion Enzyme: Trypsin; Max Missed Cleavages: 2

Scaffold Version: Scaffold-2_00_00_final

Protein name	Swiss-Prot Accession Name	Protein molecular weight (Da)	Peptide sequence	Previous amino acid	Next amino acid	Best Peptide identification probability	Best Mascot Ion score	Best Mascot Identity score	Best X! Tandem - log(e) score	Number of identified +2H spectra	Number of identified +3H spectra	Calculated +1H Peptide Mass (AMU)	Peptide start index	Peptide stop index	N-linked Site	Potential N-linked site
(O14773) Tripeptidyl-peptidase 1 precursor (EC 3.4.14.9) (Tripeptidyl-peptidase I) (TPP-I) (Tripeptidyl aminopeptidase) (Lysosomal pepstatin insensitive protease) (LPIC) (Growth-inhibiting gene 1 protein)	TPP1_HUMAN	61230	FLSSSPHLPPSSYFNASGR	K	A	95.00%	46.9	39.2	2.28	0	1	2051.98	429	447	443	
(O43852) Calumenin precursor (Crocalbin) (IEF SSP 9302)	CALU_HUMAN	37090	NATYGYVLDDPDPDDGFNYK	K	Q	95.00%	99.1	38.6	8.59	1	0	2279.96	131	150		131
(P01033) Metalloproteinase inhibitor 1 precursor (TIMP-1) (Erythroid potentiating activity) (EPA) (Tissue inhibitor of metalloproteinases) (Fibroblast collagenase inhibitor) (Collagenase inhibitor)	TIMP1_HUMAN	23153	FVGTPEVNQTTLYQR	K	Y	95.00%	59.7	38.6	4.7	1	0	1753.88	46	60	53	
(P04216) Thy-1 membrane glycoprotein precursor (Thy-1 antigen) (CD90 antigen) (CDw90 antigen)	THY1_HUMAN	17917	LDCRHENTSSSPIQYEFSLTR	R	E	95.00%	86	38.7	7.1	0	1	2541.17	36	56	42	
(P04216) Thy-1 membrane glycoprotein precursor (Thy-1 antigen) (CD90 antigen) (CDw90 antigen)	THY1_HUMAN	17917	HENTSSSPIQYEFSLTR	R	E	95.00%	116	38.3	9.59	5	3	1996.93	40	56	42	
(P04216) Thy-1 membrane glycoprotein precursor (Thy-1 antigen) (CD90 antigen) (CDw90 antigen)	THY1_HUMAN	17917	DEGTYTCALHHSGHSPPISSQNVTVLR	K	D	95.00%	94.5	37.1	5.85	1	0	2964.39	98	124	119	
(P06756) Integrin alpha-V precursor (Vitronectin receptor alpha subunit) (CD51 antigen) [Contains: Integrin alpha-V heavy chain; Integrin alpha-V light chain]	ITAV_HUMAN	116037	TAADTTGLQPILNQFTPANISR	R	Q	95.00%	107	38.4	7.39	1	1	2330.20	597	618	615	
(P06865) Beta-hexosaminidase alpha chain precursor (EC 3.2.1.52) (N-acetyl-beta-glucosaminidase) (Beta-N-acetylhexosaminidase) (Hexosaminidase A)	HEXA_HUMAN	60690	SAEGTFFINK	K	T	200.00%	59.79	39.09	3.37	1	0	1114.34	149	158	157	
(P07339) Cathepsin D precursor (EC 3.4.23.5) [Contains: Cathepsin D light chain; Cathepsin D heavy chain]	CATD_HUMAN	44535	GSLSYLNVTR	K	K	95.00%	87.1	38.9	0.959	9	0	1110.58	257	266	263	
(P07602) Proactivator polypeptide precursor [Contains: Saposin A (Protein A); Saposin B-Val; Saposin B (Sphingolipid activator protein 1) (SAP-1) (Cerebroside sulfate activator) (CSAct) (Dispersin) (Sulfatide/GM1 activator); Saposin C (Co-beta-	SAP_HUMAN	58094	DVVTAAGDMLKDNATEEEILVYLEK	K	T	95.00%	77.5	37.4	4.96	1	1	2783.36	68	92	80	
(P07602) Proactivator polypeptide precursor [Contains: Saposin A (Protein A); Saposin B-Val; Saposin B (Sphingolipid activator protein 1) (SAP-1) (Cerebroside sulfate activator) (CSAct) (Dispersin) (Sulfatide/GM1 activator); Saposin C (Co-beta-	SAP_HUMAN	58094	DNATEEEILVYLEK	K	T	95.00%	84	39.2	3.33	2	2	1666.81	79	92	80	
(P07602) Proactivator polypeptide precursor [Contains: Saposin A (Protein A); Saposin B-Val; Saposin B (Sphingolipid activator protein 1) (SAP-1) (Cerebroside sulfate activator) (CSAct) (Dispersin) (Sulfatide/GM1 activator); Saposin C (Co-beta-	SAP_HUMAN	58094	TNSTFVQALVEHVK	R	E	95.00%	80.9	39.1	4.29	2	0	1573.82	214	227	215	

(P07602) Proactivator polypeptide precursor [Contains: Saposin A (Protein A); Saposin B-Val; Saposin B (Sphingolipid activator protein 1) (SAP-1) (Cerebroside sulfate activator) (CSAct) (Dispersin) (Sulfatide/GM1 activator); Saposin C (Co-beta-	SAP_HUMAN	58094	TNSTFVQALVEHVKEECDR	R	L	95.00%	93.8	38.3	9.7	2	4	2263.07	214	232	215	
(P07602) Proactivator polypeptide precursor [Contains: Saposin A (Protein A); Saposin B-Val; Saposin B (Sphingolipid activator protein 1) (SAP-1) (Cerebroside sulfate activator) (CSAct) (Dispersin) (Sulfatide/GM1 activator); Saposin C (Co-beta-	SAP_HUMAN	58094	LIDNNKTEKEILDAFDK	K	M	95.00%	49	38.2	8.41	1	0	2007.03	328	344	332	
(P07602) Proactivator polypeptide precursor [Contains: Saposin A (Protein A); Saposin B-Val; Saposin B (Sphingolipid activator protein 1) (SAP-1) (Cerebroside sulfate activator) (CSAct) (Dispersin) (Sulfatide/GM1 activator); Saposin C (Co-beta-	SAP_HUMAN	58094	NLEKNSTKQEILAALEK	R	G	95.00%	91.9	38.4	6.48	1	3	1930.05	422	438	426	
(P07602) Proactivator polypeptide precursor [Contains: Saposin A (Protein A); Saposin B-Val; Saposin B (Sphingolipid activator protein 1) (SAP-1) (Cerebroside sulfate activator) (CSAct) (Dispersin) (Sulfatide/GM1 activator); Saposin C (Co-beta-	SAP_HUMAN	58094	NSTKQEILAALEK	K	G	95.00%	57.9	39.1	2.51	1	0	1445.79	426	438	426	
(P07711) Cathepsin L precursor (EC 3.4.22.15) (Major excreted protein) (MEP) [Contains: Cathepsin L heavy chain; Cathepsin L light chain]	CATL1_HUMAN	37546	YSVANDTGFVDIPK	K	Q	95.00%	85.8	38.7	9.02	2	0	1526.74	217	230	221	
(P07942) Laminin beta-1 chain precursor (Laminin B1 chain)	LAMB1_HUMAN	198045	VNASTTEPNSTVEQSALMR	R	D	95.00%	66.9	38.7	3.24	1	1	2052.94	1335	1353		1336, 1343
(P07942) Laminin beta-1 chain precursor (Laminin B1 chain)	LAMB1_HUMAN	198045	MEMPSTPQQLQNLTEDIR	K	E	95.00%	65.5	38.7	6.37	1	0	2163.99	1531	1548		1542
(P08174) Complement decay-accelerating factor precursor (CD55 antigen)	DAF_HUMAN	41382	GSQWSDIEEFCNR	K	S	95.00%	48.9	39.3	2.41	1	0	1628.67	84	96		95
(P08648) Integrin alpha-5 precursor (Fibronectin receptor alpha subunit) (Integrin alpha-F) (VLA-5) (CD49e antigen) [Contains: Integrin alpha-5 heavy chain; Integrin alpha-5 light chain]	ITA5_HUMAN	114521	GNLTYGYVTILNGSDIR	K	S	95.00%	124	38.5	11.6	2	0	1857.92	296	312		307
(P08648) Integrin alpha-5 precursor (Fibronectin receptor alpha subunit) (Integrin alpha-F) (VLA-5) (CD49e antigen) [Contains: Integrin alpha-5 heavy chain; Integrin alpha-5 light chain]	ITA5_HUMAN	114521	NLNNSQSDVVSFR	K	L	95.00%	76.7	38.5	7.82	2	0	1480.70	771	783		773
(P10619) Lysosomal protective protein precursor (EC 3.4.16.5) (Cathepsin A) (Carboxypeptidase C) (Protective protein for beta-galactosidase) [Contains: Lysosomal protective protein 32 kDa chain; Lysosomal protective protein 20 kDa chain]	PPGB_HUMAN	54450	MDPPCTNTTAASTYLNNPYVR	R	K	95.00%	94.7	38	9.14	1	1	2403.06	327	347		
(P11047) Laminin gamma-1 chain precursor (Laminin B2 chain)	LAMC1_HUMAN	177587	LLNNLTSIK	K	I	95.00%	49.5	39	1.06	1	0	1016.60	647	655	650	
(P11047) Laminin gamma-1 chain precursor (Laminin B2 chain)	LAMC1_HUMAN	177587	TANDTSTEAYNLLLR	K	T	95.00%	102	38.7	6.48	2	0	1682.82	1203	1217		1205
(P11047) Laminin gamma-1 chain precursor (Laminin B2 chain)	LAMC1_HUMAN	177587	TLAGENQTAFEIEELNR	R	K	95.00%	61.7	39	3.29	1	0	1935.93	1218	1234	1223	
(P11166) Solute carrier family 2, facilitated glucose transporter member 1 (Glucose transporter type 1, erythrocyte/brain) (HepG2 glucose transporter)	GTR1_HUMAN	54101	VIEEFYNQTWVHR	K	Y	95.00%	80.3	38.4	8.4	2	1	1721.83	39	51	45	
(P11279) Lysosome-associated membrane glycoprotein 1 precursor (LAMP-1) (CD107a antigen)	LAMP1_HUMAN	44756	SGPKNMTFDLPSDATVVLNR	K	S	95.00%	81.3	38.2	7.82	1	2	2180.05	57	76	61, 75	
(P11279) Lysosome-associated membrane glycoprotein 1 precursor (LAMP-1) (CD107a antigen)	LAMP1_HUMAN	44756	NMTFDLPSDATVVLNR	K	S	95.00%	95.1	38.5	6.38	1	0	1810.85	61	76	61, 75	
(P11279) Lysosome-associated membrane glycoprotein 1 precursor (LAMP-1) (CD107a antigen)	LAMP1_HUMAN	44756	ENTSDPSLVIAFGR	K	G	95.00%	70.8	38.9	4.92	2	0	1506.74	82	95	83	
(P11279) Lysosome-associated membrane glycoprotein 1 precursor (LAMP-1) (CD107a antigen)	LAMP1_HUMAN	44756	GHTLTLNFTR	R	N	95.00%	45	38.9	3.49	1	0	1160.61	96	105	102	
(P13473) Lysosome-associated membrane glycoprotein 2 precursor (LAMP-2) (CD107b antigen)	LAMP2_HUMAN	44943	WQMNFTVR	K	Y	95.00%	36.5	38.8	5.04	1	0	1098.50	46	53	49	
(P13473) Lysosome-associated membrane glycoprotein 2 precursor (LAMP-2) (CD107b antigen)	LAMP2_HUMAN	44943	VASVININPNTTHSTGSCR	K	S	95.00%	58.7	38.6	1.39	0	2	2029.96	248	266	257	
(P13987) CD59 glycoprotein precursor (Membrane attack complex inhibition factor) (MACIF) (MAC-inhibitory protein) (MAC-IP) (Protectin) (MEM43 antigen) (Membrane inhibitor of reactive lysis) (MIRL) (20 kDa homologous restriction factor) (HRF-20	CD59_HUMAN	14159	TAVNCSSDFDACLITK	K	A	95.00%	110	39.3	7.36	2	0	1802.79	40	55	43	
(P15586) N-acetylglucosamine-6-sulfatase precursor (EC 3.1.6.14) (G6S) (Glucosamine-6-sulfatase)	GNS_HUMAN	62066	YPHNHHVVNNTLEGNCSSK	K	S	95.00%	66.9	39.3	4.64	0	2	2209.96	103	121		111
(P15586) N-acetylglucosamine-6-sulfatase precursor (EC 3.1.6.14) (G6S) (Glucosamine-6-sulfatase)	GNS_HUMAN	62066	YYNYTLSINGK	K	A	95.00%	74.8	38.6	4.09	1	0	1337.63	181	191	189	

(P15586) N-acetylglucosamine-6-sulfatase precursor (EC 3.1.6.14) (G6S) (Glucosamine-6-sulfatase)	GNS_HUMAN	62066	TPMTNSSIQFLDNAFR	K	K	95.00%	124	38.9	9.92	4	0	1858.86	275	290	279	
(P15586) N-acetylglucosamine-6-sulfatase precursor (EC 3.1.6.14) (G6S) (Glucosamine-6-sulfatase)	GNS_HUMAN	62066	GASNLTWR	R	S	95.00%	54.8	39	2.38	1	0	905.45	402	409		405
(P16070) CD44 antigen precursor (Phagocytic glycoprotein I) (PGP-1) (HUTCH-I) (Extracellular matrix receptor-III) (ECMR-III) (GP90 lymphocyte homing/adhesion receptor) (Hermes antigen) (Hyaluronate receptor) (Heparan sulfate proteoglycan) (Epi	CD44_HUMAN	81535	AFNSTLPTMAQMEK	K	A	95.00%	77.8	38.6	6.43	9	0	1601.72	55	68	57	
(P26006) Integrin alpha-3 precursor (Galactoprotein B3) (GAPB3) (VLA-3 alpha chain) (FRP-2) (CD49c antigen) [Contains: Integrin alpha-3 heavy chain; Integrin alpha-3 light chain]	ITA3_HUMAN	118682	NITIVTGAPR	K	H	95.00%	59.3	38.8	2.14	1	0	1042.59	265	274		265
(P32970) Tumor necrosis factor ligand superfamily member 7 (CD27 ligand) (CD27-L) (CD70 antigen)	TNFL7_HUMAN	21100	FAQAQQQLPLESLGWDVAELQLNHTGPQQDPR	R	L	95.00%	71.3	38.5	4.64	0	2	3615.78	41	72		63
(P32970) Tumor necrosis factor ligand superfamily member 7 (CD27 ligand) (CD27-L) (CD70 antigen)	TNFL7_HUMAN	21100	GDTLCTNLTGTLLPSR	R	N	95.00%	65.1	39.1	2.66	2	0	1719.86	164	179		170
(P35052) Glypican-1 precursor	GPC1_HUMAN	61633	SFDDHFQHLLNDSER	R	T	95.00%	48.3	39	1.46	0	1	1860.82	106	120		116
(P35613) Basigin precursor (Leukocyte activation antigen M6) (Collagenase stimulatory factor) (Extracellular matrix metalloproteinase inducer) (EMMPRIN) (5F7) (Tumor cell-derived collagenase stimulatory factor) (TCSF) (OK blood group antigen)	BASI_HUMAN	42182	ILLTCSLNDSATEVTGHR	K	W	95.00%	82.2	38.3	7.48	1	0	1987.98	153	170	160	
(P42892) Endothelin-converting enzyme 1 (EC 3.4.24.71) (ECE-1)	ECE1_HUMAN	87147	HLLENSTASVSEAER	K	K	95.00%	74	38.9	8.41	2	1	1643.79	162	176		166
(P42892) Endothelin-converting enzyme 1 (EC 3.4.24.71) (ECE-1)	ECE1_HUMAN	87147	LGGWNITGPWAK	R	D	95.00%	47.4	38.6	4.41	2	0	1300.67	206	217	210	
(P51688) N-sulphoglucosamine sulphohydrolase precursor (EC 3.10.1.1) (Sulfoglucosamine sulfamidase) (Sulphamidase)	SPHM_HUMAN	56678	NALLLLADDGGFESGAYNNSAIATPHLDALAR	R	R	95.00%	157	38.8	12	0	2	3273.59	24	55	41	
(P53634) Dipeptidyl-peptidase 1 precursor (EC 3.4.14.1) (Dipeptidyl-peptidase I) (DPP-I) (DPPI) (Cathepsin C) (Cathepsin J) (Dipeptidyl transferase) [Contains: Dipeptidyl-peptidase 1 exclusion domain chain (Dipeptidyl-peptidase I exclusion dom	CATC_HUMAN	51824	DVNCSVMGPQEK	R	K	95.00%	44.8	39.1	3.14	1	0	1380.58	51	62	53	
(P53634) Dipeptidyl-peptidase 1 precursor (EC 3.4.14.1) (Dipeptidyl-peptidase I) (DPP-I) (DPPI) (Cathepsin C) (Cathepsin J) (Dipeptidyl transferase) [Contains: Dipeptidyl-peptidase 1 exclusion domain chain (Dipeptidyl-peptidase I exclusion dom	CATC_HUMAN	51824	VTTYCNETMTGWVHDVLGR	K	N	95.00%	75.6	38.3	5.8	2	0	2256.01	114	132	119	
(P55290) Cadherin-13 precursor (Truncated-cadherin) (T-cadherin) (T-cad) (Heart-cadherin) (H-cadherin) (P105)	CAD13_HUMAN	78270	QEDLSVGSVLLTVNATDPDSLQHQTIR	R	Y	95.00%	75.4	38.6	6.72	0	1	2937.48	487	513	500	
(P55290) Cadherin-13 precursor (Truncated-cadherin) (T-cadherin) (T-cad) (Heart-cadherin) (H-cadherin) (P105)	CAD13_HUMAN	78270	ANYNLPIMVTDSGKPPMTNITDLR	K	V	95.00%	59	39	3.46	0	2	2695.30	653	676		671
(Q08380) Galectin-3-binding protein precursor (Lectin galactoside-binding soluble 3-binding protein) (Mac-2-binding protein) (Mac-2 BP) (MAC2BP) (Tumor-associated antigen 90K)	LG3BP_HUMAN	65314	ALGFENATQALGR	R	A	95.00%	76	39.1	7.14	2	0	1348.69	64	76	69	
(Q13449) Limbic system-associated membrane protein precursor (LSAMP)	LSAMP_HUMAN	37290	LGVTNASLVLFRPGSVR	K	G	95.00%	80.1	39.1	3.14	0	1	1787.02	296	312		300
(Q13510) Acid ceramidase precursor (EC 3.5.1.23) (Acylsphingosine deacylase) (N-acylsphingosine amidohydrolase) (AC) (Putative 32 kDa heart protein) (PHP32) [Contains: Acid ceramidase alpha subunit; Acid ceramidase beta subunit]	ASAH1_HUMAN	44633	TVLENSTSYEEAK	R	N	95.00%	85.3	38.9	3.35	2	0	1471.68	255	267	259	
(Q13641) Trophoblast glycoprotein precursor (5T4 oncofetal trophoblast glycoprotein) (5T4 oncotrophoblast glycoprotein) (5T4 oncofetal antigen) (M6P1)	TPBG_HUMAN	46015	RPPLAELAALNLSGSR	R	L	95.00%	56	38.6	5.85	1	1	1665.93	114	129		124
(Q5ZPR3) CD276 antigen precursor (Costimulatory molecule) (B7 homolog 3) (B7-H3) (4Ig-B7-H3)	CD276_HUMAN	57216	QLVHSFAEGQDQGSAYANR	K	T	95.00%	0	0	8.72	2	1	2061.93	74	92		91
(Q5ZPR3) CD276 antigen precursor (Costimulatory molecule) (B7 homolog 3) (B7-H3) (4Ig-B7-H3)	CD276_HUMAN	57216	TALFPDLLAQGNASLR	R	L	95.00%	91.2	38.6	6.49	3	1	1687.90	93	108		104
(Q5ZPR3) CD276 antigen precursor (Costimulatory molecule) (B7 homolog 3) (B7-H3) (4Ig-B7-H3)	CD276_HUMAN	57216	VVLGANGTYSCLVR	R	N	95.00%	82.5	38.7	6.19	2	0	1509.77	210	223		215
(Q6UVK1) Chondroitin sulfate proteoglycan 4 precursor (Chondroitin sulfate proteoglycan NG2) (Melanoma chondroitin sulfate proteoglycan) (Melanoma-associated chondroitin sulfate proteoglycan)	CSPG4_HUMAN	250476	LDPTVLDAGELANR	R	T	95.00%	104	38.8	5.85	5	0	1,484.76	2063	2076	2075	

List of Glycopeptide Identified

(Q6UVK1) Chondroitin sulfate proteoglycan 4 precursor (Chondroitin sulfate proteoglycan NG2) (Melanoma chondroitin sulfate proteoglycan) (Melanoma-associated chondroitin sulfate proteoglycan)	CSPG4_HUMAN	250476	LGLTPEATNASLLGCMEDLSVNGQR	R	R	95.00%	61.8	38	3.25	1	0	2664.25	340	364		348
(Q6UVK1) Chondroitin sulfate proteoglycan 4 precursor (Chondroitin sulfate proteoglycan NG2) (Melanoma chondroitin sulfate proteoglycan) (Melanoma-associated chondroitin sulfate proteoglycan)	CSPG4_HUMAN	250476	AGQPATAFSQQDLLDGAVLYSHNGSLSPR	R	D	95.00%	84.6	39	6.89	0	1	3001.47	1180	1208		1202
(Q8NCC3) 1-O-acylceramide synthase precursor (EC 2.3.1.-) (ACS) (Lysosomal phospholipase A2) (Lysophospholipase 3) (LPLA2) (LCAT-like lysophospholipase) (LLPL)	LYPA3_HUMAN	46641	VFVQTPTINYTLR	K	D	95.00%	67.8	38.6	3.35	1	0	1552.84	281	293		289
(Q8NCC3) 1-O-acylceramide synthase precursor (EC 2.3.1.-) (ACS) (Lysosomal phospholipase A2) (Lysophospholipase 3) (LPLA2) (LCAT-like lysophospholipase) (LLPL)	LYPA3_HUMAN	46641	QEHQVLLQELPGSEHIEMLANATTLAYLK	R	R	95.00%	0	0	4.7	0	2	3276.65	378	406		398
(Q96AY3) FK506-binding protein 10 precursor (EC 5.2.1.8) (Peptidyl-prolyl cis-trans isomerase) (PPIase) (Rotamase) (65 kDa FK506-binding protein) (FKBP65) (Immunophilin FKBP65)	FKB10_HUMAN	64228	YHYNGTLLDGTSFDTSYSK	R	G	95.00%	67.1	38.4	5.01	1	0	2169.96	179	197	182	
(Q96HE7) ERO1-like protein alpha precursor (EC 1.8.4.-) (ERO1-Lalpha) (Oxidoreductin-1-Lalpha) (Endoplasmic oxidoreductin-1-like protein) (ERO1-L)	ERO1A_HUMAN	54377	WGHNITEFQQR	K	F	95.00%	48.2	39.1	0	1	0	1416.67	277	287		280
(Q9H3G5) Probable serine carboxypeptidase CPVL precursor (EC 3.4.16.-) (Carboxypeptidase, vitellogenic-like) (Vitellogenic carboxypeptidase-like protein) (VCP-like protein) (HVLP)	CPVL_HUMAN	54148	SYAGFLTVNK	K	T	95.00%	61.6	38.9	4.12	1	0	1100.56	73	82		81
(Q9H3G5) Probable serine carboxypeptidase CPVL precursor (EC 3.4.16.-) (Carboxypeptidase, vitellogenic-like) (Vitellogenic carboxypeptidase-like protein) (VCP-like protein) (HVLP)	CPVL_HUMAN	54148	QAIHVGNQTFNDGTIVEK	R	Y	95.00%	0	0	10.3	2	0	1954.95	340	357		346
(Q9UBP4) Dickkopf-related protein 3 precursor (Dkk-3) (Dickkopf-3) (hDkk-3)	DKK3_HUMAN	38272	ITNNQTGQMVFSETVITSVGDEEGRR	K	S	95.00%	130	38.5	3.33	0	1	2885.36	118	143		121
(Q9UHL4) Dipeptidyl-peptidase 2 precursor (EC 3.4.14.2) (Dipeptidyl-peptidase II) (DPP II) (Dipeptidyl aminopeptidase II) (Quiescent cell proline dipeptidase) (Dipeptidyl peptidase 7)	DPP2_HUMAN	54311	ALAGLVYNASGSEHCYDIYR	R	L	95.00%	117	38.5	7.59	1	0	2260.03	308	327		315
(Q9Y4L1) 150 kDa oxygen-regulated protein precursor (Orp150) (Hypoxia up-regulated 1)	HYOU1_HUMAN	111319	VFGSQNLTTVK	R	L	95.00%	86.4	38.7	4.92	2	0	1194.64	510	520	515	
(Q9Y4L1) 150 kDa oxygen-regulated protein precursor (Orp150) (Hypoxia up-regulated 1)	HYOU1_HUMAN	111319	VINETWAWK	K	N	95.00%	61.6	38.8	3.51	2	0	1147.58	860	868	862	
(Q9Y4L1) 150 kDa oxygen-regulated protein precursor (Orp150) (Hypoxia up-regulated 1)	HYOU1_HUMAN	111319	AEPPLNASASDQGEK	R	V	95.00%	53	39.4	1.35	1	0	1514.70	926	940	931	

GlycoPeptide Identified in XTC-1 Cell Line

Experiment: XTC1-p13-p29-PNGF

Peak List Generator Version: BioWorks 3.3.1
Charge States Calculated: yes

Database Set: Database Name: the Sprot_060206 database
Version: 06/26/06
Taxonomy: Homo sapiens
Number of Proteins: 14164

Search Engine Set: 2 Search Engines

Search Engine: Mascot; Version: 2.1.03
Fragment Tolerance: 0.80 Da (Monoisotopic)
Parent Tolerance: 1.6 Da (Monoisotopic)
Fixed Modifications: +57 on C (Carbamidomethyl)
Variable Modifications: +1 on N (Deamidation), +16 on M (Oxidation)
Database: the Sprot_060206 database (selected for Homo sapiens, unknown version, 14164 entries)
Digestion Enzyme: Trypsin; Max Missed Cleavages: 2

Search Engine: X! Tandem; Version: 2007.01.01.1
Fragment Tolerance: 0.100 Da (Monoisotopic)
Parent Tolerance: 1.6 Da (Monoisotopic)
Fixed Modifications: +57 on C (Carbamidomethyl)
Variable Modifications: +1 on N (Deamidation), +16 on M (Oxidation)
Database: a subset of the uniprot_sprot_060206-oval database
Digestion Enzyme: Trypsin; Max Missed Cleavages: 2

Scaffold Version: Scaffold-2_00_00_final

Protein name	Swiss-Prot Accession Name	Protein molecular weight (Da)	Peptide sequence	Previous amino acid	Next amino acid	Best Peptide identification probability	Best Mascot Ion score	Best Mascot Identity score	Best X! Tandem - log(e) score	Number of identified +2H spectra	Number of identified +3H spectra	Calculated +1H Peptide Mass (AMU)	Peptide start index	Peptide stop index	N-linked Site	Potential N-linked site
(O00115) Deoxyribonuclease-2-alpha precursor (EC 3.1.22.1) (Deoxyribonuclease II alpha) (DNase II alpha) (Acid DNase) (Lysosomal DNase II) (R31240_2)	DNS2A_HUMAN	39563	SNTSQLAFLLYNDQPPQPSK	R	A	95.00%	90.70	38.70	6.82	2	0	2250.1	85	104	86	
(O00115) Deoxyribonuclease-2-alpha precursor (EC 3.1.22.1) (Deoxyribonuclease II alpha) (DNase II alpha) (Acid DNase) (Lysosomal DNase II) (R31240_2)	DNS2A_HUMAN	39563	GHHVSQEPWNSSITLTSQAGAVFQSFAK	K	F	95.00%	97.00	38.90	10.60	0	4	3015.5	203	230	212	
(O00115) Deoxyribonuclease-2-alpha precursor (EC 3.1.22.1) (Deoxyribonuclease II alpha) (DNase II alpha) (Acid DNase) (Lysosomal DNase II) (R31240_2)	DNS2A_HUMAN	39563	TVGILPSNCSDIWQVLNVNQIAFPGPAGPSFNSTEDHSK	K	W	95.00%	169.00	37.80	13.50	0	2	4200.0	259	297	266, 290	
(O00468) Agrin precursor	AGRN_HUMAN	214863	NELMLNSSLMR	K	I	95.00%	68.70	38.70	2.80	1	0	1340.6	130	140		135
(O00468) Agrin precursor	AGRN_HUMAN	214863	GPTFAPLPPVAPLHCAQTPYGCCQDNITAAR	R	G	95.00%	65.80	38.20	4.14	0	1	3381.6	752	782		777
(O00754) Lysosomal alpha-mannosidase precursor (EC 3.2.1.24) (Mannosidase, alpha B) (Lysosomal acid alpha-mannosidase) (Laman) (Mannosidase alpha class 2B member 1) [Contains: Lysosomal alpha-mannosidase A peptide; Lysosomal alpha-mannosidase	MA2B1_HUMAN	113656	WWHQQTNATQEVVR	R	D	95.00%	77.50	39.00	2.44	0	2	1783.9	126	139		133
(O00754) Lysosomal alpha-mannosidase precursor (EC 3.2.1.24) (Mannosidase, alpha B) (Lysosomal acid alpha-mannosidase) (Laman) (Mannosidase alpha class 2B member 1) [Contains: Lysosomal alpha-mannosidase A peptide; Lysosomal alpha-mannosidase	MA2B1_HUMAN	113656	ANLTWSVK	K	H	95.00%	41.10	39.50	-0.57	1	0	919.5	365	372		367
(O00754) Lysosomal alpha-mannosidase precursor (EC 3.2.1.24) (Mannosidase, alpha B) (Lysosomal acid alpha-mannosidase) (Laman) (Mannosidase alpha class 2B member 1) [Contains: Lysosomal alpha-mannosidase A peptide; Lysosomal alpha-mannosidase	MA2B1_HUMAN	113656	TPLVQEVHQNFSAWCSQVVR	K	L	95.00%	72.60	38.10	6.89	2	0	2386.2	682	701		692
(O00754) Lysosomal alpha-mannosidase precursor (EC 3.2.1.24) (Mannosidase, alpha B) (Lysosomal acid alpha-mannosidase) (Laman) (Mannosidase alpha class 2B member 1) [Contains: Lysosomal alpha-mannosidase A peptide; Lysosomal alpha-mannosidase	MA2B1_HUMAN	113656	DYRPTWKLNQTEPVAGNYYPVNTR	R	I	95.00%	18.50	38.50	4.11	0	1	2885.4	757	780		766
(O00754) Lysosomal alpha-mannosidase precursor (EC 3.2.1.24) (Mannosidase, alpha B) (Lysosomal acid alpha-mannosidase) (Laman) (Mannosidase alpha class 2B member 1) [Contains: Lysosomal alpha-mannosidase A peptide; Lysosomal alpha-mannosidase	MA2B1_HUMAN	113656	LNQTEPVAGNYYPVNTR	K	I	95.00%	85.10	38.50	7.14	2	0	1936.9	764	780		766
(O14672) ADAM 10 precursor (EC 3.4.24.81) (A disintegrin and metalloproteinase domain 10) (Mammalian disintegrin-metalloprotease) (Kuzbanian protein homolog) (CDw156c antigen)	ADA10_HUMAN	84125	INTTADEKDPTNPFR	R	F	95.00%	49.20	39.10	0.00	1	0	1719.8	277	291	278	
(O14773) Tripeptidyl-peptidase 1 precursor (EC 3.4.14.9) (Tripeptidyl-peptidase I) (TPP-I) (Tripeptidyl aminopeptidase) (Lysosomal pepstatin insensitive protease) (LPIC) (Growth-inhibiting gene 1 protein)	TPP1_HUMAN	61230	YNLTSQDVGSGTSNNSQACAQFLEQYFHDSDLAQFMR	R	L	95.00%	149.00	37.60	8.74	0	2	4248.8	209	245		210, 222
(O14773) Tripeptidyl-peptidase 1 precursor (EC 3.4.14.9) (Tripeptidyl-peptidase I) (TPP-I) (Tripeptidyl aminopeptidase) (Lysosomal pepstatin insensitive protease) (LPIC) (Growth-inhibiting gene 1 protein)	TPP1_HUMAN	61230	FLSSSPHLPPSSYFNASGR	K	A	95.00%	69.50	39.00	3.62	2	1	2052.0	429	447	443	

(O15031) Plexin-B2 precursor (MM1)	PLXB2_HUMAN	205081	ALSNISLR	R	L	86.60%	40.50	39.30	0.00	1	0	874.5	124	131		127
(O15031) Plexin-B2 precursor (MM1)	PLXB2_HUMAN	205081	GGLNLTAVTVAAENNHTVAFLGTSDGR	R	I	95.00%	107.00	38.20	7.41	1	0	2687.3	388	414		391
(O15031) Plexin-B2 precursor (MM1)	PLXB2_HUMAN	205081	SCVAVTSAQPQNMSR	K	R	95.00%	49.80	38.90	1.77	1	0	1652.7	517	531		528
(O15031) Plexin-B2 precursor (MM1)	PLXB2_HUMAN	205081	SINVTGQGFSLIQR	R	F	95.00%	68.80	39.30	2.85	1	0	1520.8	1000	1013		1009
(O15031) Plexin-B2 precursor (MM1)	PLXB2_HUMAN	205081	TEAGAFEYVPDPTFENFTGGVK	R	K	95.00%	32.20	38.60	3.17	1	0	2377.1	1084	1105		1099
(O15118) Niemann-Pick C1 protein precursor	NPC1_HUMAN	142152	VDNITDQFCNASVVDPACVR	R	C	95.00%	87.38	38.04	8.08	2	0	2282.4	959	978		968
(O15118) Niemann-Pick C1 protein precursor	NPC1_HUMAN	142152	DADACNATNWIEYMFNK	K	D	95.00%	53.50	38.40	5.72	1	0	2079.8	180	196		185
(O43852) Calumenin precursor (Crocalbin) (IEF SSP 9302)	CALU_HUMAN	37090	NATYGYVLDDPDPDDGFNYK	K	Q	95.00%	105.00	38.10	7.00	2	0	2280.0	131	150		131
(O75503) Ceroid-lipofuscinosis neuronal protein 5 (Protein CLN5)	CLN5_HUMAN	46323	IFLYSGEPTYLGNETSVFGPTGNK	R	T	95.00%	85.80	38.10	10.50	1	0	2593.2	259	282		281
(O75629) CREG1 protein precursor (Cellular repressor of E1A-stimulated genes 1)	CREG1_HUMAN	24057	LNITNIWVLDYFGGPK	K	I	95.00%	90.90	39.10	6.31	2	0	1851.0	192	207		193
(O75882) Attractin precursor (Mahogany homolog) (DPPT-L)	ATRN_HUMAN	158518	IDSTGNVTNELR	K	V	95.00%	84.30	38.70	5.43	1	0	1319.6	411	422	416	
(O75976) Carboxypeptidase D precursor (EC 3.4.17.22) (Metallocarboxypeptidase D) (gp180)	CBPD_HUMAN	152899	LLNTTDVYLLPSLNPDGFER	R	A	95.00%	99.80	38.40	5.49	2	0	2278.2	170	189	182	
(O75976) Carboxypeptidase D precursor (EC 3.4.17.22) (Metallocarboxypeptidase D) (gp180)	CBPD_HUMAN	152899	DSITGSGLENATISVAGINHNITTGR	K	F	95.00%	103.00	38.00	8.34	1	1	2600.3	390	415		399, 410
(O75976) Carboxypeptidase D precursor (EC 3.4.17.22) (Metallocarboxypeptidase D) (gp180)	CBPD_HUMAN	152899	FANEYPNITR	R	L	95.00%	58.70	38.60	2.37	2	0	1226.6	516	525		522
(O75976) Carboxypeptidase D precursor (EC 3.4.17.22) (Metallocarboxypeptidase D) (gp180)	CBPD_HUMAN	152899	GILNATISVAEINHPVTTYK	R	T	95.00%	51.60	38.90	7.49	2	0	2142.1	808	827	811	
(O75976) Carboxypeptidase D precursor (EC 3.4.17.22) (Metallocarboxypeptidase D) (gp180)	CBPD_HUMAN	152899	SEGAIQVNFTLVR	K	S	95.00%	52.10	39.40	2.96	1	0	1434.8	860	872		867
(O95274) Ly6/PLAUR domain-containing protein 3 precursor (GPI-anchored metastasis-associated protein C4.4A homolog) (Matrigel-induced gene C4 protein) (MIG-C4)	LYPD3_HUMAN	35952	GCFDGNVTLTAANVTVSLPVR	K	G	95.00%	111.00	38.30	6.38	1	0	2193.1	171	191		176, 183
(O95302) FK506-binding protein 9 precursor (EC 5.2.1.8) (Peptidyl-prolyl cis-trans isomerase) (PPIase) (Rotamase)	FKBP9_HUMAN	63067	YHYNGTLLDGTLFDSSYSR	R	N	95.00%	86.30	38.70	5.89	2	0	2210.0	283	301	286	
(P00533) Epidermal growth factor receptor precursor (EC 2.7.10.1) (Receptor tyrosine-protein kinase ErbB-1)	EGFR_HUMAN	134261	DIVSSDFLSNMSMDFQNHLGSCQK	R	C	95.00%	44.40	37.70	3.74	1	0	2794.2	166	189	175	
(P00533) Epidermal growth factor receptor precursor (EC 2.7.10.1) (Receptor tyrosine-protein kinase ErbB-1)	EGFR_HUMAN	134261	EFVENSECIQCHPECLPQAMNITCTGR	R	G	95.00%	70.80	38.20	5.80	0	1	3298.4	548	574	568	
(P00533) Epidermal growth factor receptor precursor (EC 2.7.10.1) (Receptor tyrosine-protein kinase ErbB-1)	EGFR_HUMAN	134261	TCPAGVMGENNTLVWK	K	Y	95.00%	41.80	39.00	1.62	1	0	1794.8	594	609	603	
(P01033) Metalloproteinase inhibitor 1 precursor (TIMP-1) (Erythroid potentiating activity) (EPA) (Tissue inhibitor of metalloproteinases) (Fibroblast collagenase inhibitor) (Collagenase inhibitor)	TIMP1_HUMAN	23153	FVGTPEVNQTTLYQR	K	Y	95.00%	104.00	39.00	8.09	2	0	1753.9	46	60	53	
(P01033) Metalloproteinase inhibitor 1 precursor (TIMP-1) (Erythroid potentiating activity) (EPA) (Tissue inhibitor of metalloproteinases) (Fibroblast collagenase inhibitor) (Collagenase inhibitor)	TIMP1_HUMAN	23153	SHNRSEEFLIAGK	R	L	95.00%	59.20	38.70	0.25	1	0	1488.7	99	111	101	
(P02751) Fibronectin precursor (FN) (Cold-insoluble globulin) (CIG)	FINC_HUMAN	262581	DQCIVDDITYNVNDTFHK	R	R	95.00%	98.30	38.20	6.26	2	0	2198.0	516	533	528	
(P02751) Fibronectin precursor (FN) (Cold-insoluble globulin) (CIG)	FINC_HUMAN	262581	RHEEGHMLNCTCFGQGR	K	G	95.00%	46.70	39.50	1.96	0	2	2105.9	534	550	542	
(P02751) Fibronectin precursor (FN) (Cold-insoluble globulin) (CIG)	FINC_HUMAN	262581	LDAPTNLQFVNETDSTVLVR	K	W	95.00%	51.00	38.20	2.92	1	0	2233.1	997	1016	1007	
(P02790) Hemopexin precursor (Beta-1B-glycoprotein)	HEMO_HUMAN	51659	SWPAVGNCSSALR	R	W	95.00%	66.70	39.20	7.39	2	0	1405.7	181	193	187	
(P04062) Glucosylceramidase precursor (EC 3.2.1.45) (Beta-glucocerebrosidase) (Acid beta-glucosidase) (D-glucosyl-N-acylsphingosine glucohydrolase) (Alglucerase) (Imiglucerase)	GLCM_HUMAN	59700	MELSMGPIQANHTGTGLLLTLQPEQK	R	F	95.00%	71.10	37.90	7.70	1	1	2840.4	88	113	98	
(P04062) Glucosylceramidase precursor (EC 3.2.1.45) (Beta-glucocerebrosidase) (Acid beta-glucosidase) (D-glucosyl-N-acylsphingosine glucohydrolase) (Alglucerase) (Imiglucerase)	GLCM_HUMAN	59700	TYTYADTPDDFQLHNFSLPEEDTK	R	L	95.00%	76.90	37.80	4.49	1	1	2848.2	171	194	185	
(P04062) Glucosylceramidase precursor (EC 3.2.1.45) (Beta-glucocerebrosidase) (Acid beta-glucosidase) (D-glucosyl-N-acylsphingosine glucohydrolase) (Alglucerase) (Imiglucerase)	GLCM_HUMAN	59700	DLGPTLANSTHHNVR	R	L	95.00%	81.30	39.00	8.57	3	1	1632.8	302	316	309	
(P04216) Thy-1 membrane glycoprotein precursor (Thy-1 antigen) (CD90 antigen) (CDw90 antigen)	THY1_HUMAN	17917	LDCRHENTSSSPIQYEFSLTR	R	E	95.00%	85.10	38.50	7.15	4	4	2541.2	36	56	42	
(P04216) Thy-1 membrane glycoprotein precursor (Thy-1 antigen) (CD90 antigen) (CDw90 antigen)	THY1_HUMAN	17917	HENTSSSPIQYEFSLTR	R	E	95.00%	119.00	38.50	13.30	3	1	1996.9	40	56	42	
(P04216) Thy-1 membrane glycoprotein precursor (Thy-1 antigen) (CD90 antigen) (CDw90 antigen)	THY1_HUMAN	17917	DEGTYTCALHHSGHSPPISSQNVTVLR	K	D	95.00%	96.30	37.30	5.96	1	2	2964.4	98	124	119	
(P04233) HLA class II histocompatibility antigen gamma chain (HLA-DR antigens-associated invariant chain) (Ia antigen-associated invariant chain) (Ii) (p33) (CD74 antigen)	HG2A_HUMAN	33498	YGNMTEDHVMHLLQNADPLK	K	V	95.00%	45.90	38.20	3.23	1	0	2359.1	134	153	136	
(P04233) HLA class II histocompatibility antigen gamma chain (HLA-DR antigens-associated invariant chain) (Ia antigen-associated invariant chain) (Ii) (p33) (CD74 antigen)	HG2A_HUMAN	33498	GHHNCSESLELEDPSSGLGVTK	R	Q	95.00%	55.90	38.80	8.19	0	2	2354.1	267	288		271
(P05026) Sodium/potassium-transporting ATPase subunit beta-1 (Sodium/potassium-dependent ATPase beta-1 subunit)	AT1B1_HUMAN	35045	FKLEWLGNCSGLNDETYGYK	R	E	95.00%	59.00	38.50	4.28	0	1	2395.1	151	170	158	

(P05026) Sodium/potassium-transporting ATPase subunit beta-1 (Sodium/potassium-dependent ATPase beta-1 subunit)	AT1B1_HUMAN	35045	LEWLGNCSGLNDETYGYK	K	E	95.00%	77.10	38.60	5.89	1	0	2119.9	153	170	158	
(P05026) Sodium/potassium-transporting ATPase subunit beta-1 (Sodium/potassium-dependent ATPase beta-1 subunit)	AT1B1_HUMAN	35045	YLQPLLAVQFTNLTMDTEIR	K	I	95.00%	115.00	38.00	15.00	1	0	2383.2	254	273	265	
(P05362) Intercellular adhesion molecule 1 precursor (ICAM-1) (Major group rhinovirus receptor) (CD54 antigen)	ICAM1_HUMAN	57807	VELAPLPSWQPVGKNLTLR	R	C	95.00%	49.80	39.00	3.77	2	0	2119.2	116	134	130	
(P05362) Intercellular adhesion molecule 1 precursor (ICAM-1) (Major group rhinovirus receptor) (CD54 antigen)	ICAM1_HUMAN	57807	ANLTVVLLR	R	G	95.00%	67.80	39.20	3.06	2	0	999.6	144	152	145	
(P05362) Intercellular adhesion molecule 1 precursor (ICAM-1) (Major group rhinovirus receptor) (CD54 antigen)	ICAM1_HUMAN	57807	LNPTVTYGNDSFSAK	R	A	95.00%	89.90	38.60	3.55	2	0	1614.8	259	273	267	
(P05362) Intercellular adhesion molecule 1 precursor (ICAM-1) (Major group rhinovirus receptor) (CD54 antigen)	ICAM1_HUMAN	57807	SFSCSATLEVAGQLIHKNQTR	R	E	95.00%	68.00	38.40	5.38	1	0	2348.2	368	388	385	
(P05556) Integrin beta-1 precursor (Fibronectin receptor beta subunit) (Integrin VLA-4 beta subunit) (CD29 antigen)	ITB1_HUMAN	88447	CHEGNGTFECGACR	K	C	95.00%	0.00	0.00	11.40	2	0	1638.6	477	490		481
(P05556) Integrin beta-1 precursor (Fibronectin receptor beta subunit) (Integrin VLA-4 beta subunit) (CD29 antigen)	ITB1_HUMAN	88447	KDTCTQECSYFNITK	K	V	95.00%	94.10	38.80	5.96	2	0	1895.8	658	672		669
(P05556) Integrin beta-1 precursor (Fibronectin receptor beta subunit) (Integrin VLA-4 beta subunit) (CD29 antigen)	ITB1_HUMAN	88447	DTCTQECSYFNITK	K	V	95.00%	73.80	38.50	6.70	1	0	1767.7	659	672		669
(P06276) Cholinesterase precursor (EC 3.1.1.8) (Acylcholine acylhydrolase) (Choline esterase II) (Butyrylcholine esterase) (Pseudocholinesterase)	CHLE_HUMAN	68402	WSDIWNATK	K	Y	95.00%	48.70	39.00	2.00	1	0	1121.5	80	88	85	
(P06276) Cholinesterase precursor (EC 3.1.1.8) (Acylcholine acylhydrolase) (Choline esterase II) (Butyrylcholine esterase) (Pseudocholinesterase)	CHLE_HUMAN	68402	DNYTKAEEILSR	R	S	95.00%	69.60	39.30	2.92	1	0	1439.7	482	493	483	
(P06276) Cholinesterase precursor (EC 3.1.1.8) (Acylcholine acylhydrolase) (Choline esterase II) (Butyrylcholine esterase) (Pseudocholinesterase)	CHLE_HUMAN	68402	YGNPNETQNNSTSWPVFK	K	S	95.00%	85.40	39.00	8.04	2	0	2084.9	505	522	509, 514	
(P06280) Alpha-galactosidase A precursor (EC 3.2.1.22) (Melibiase) (Alpha-D-galactoside galactohydrolase) (Alpha-D-galactosidase A) (Agalsidase alfa)	AGAL_HUMAN	48750	HMSLALNR	K	T	95.00%	44.70	38.80	0.96	1	0	942.5	186	193	192	408
(P06865) Beta-hexosaminidase alpha chain precursor (EC 3.2.1.52) (N-acetyl-beta-glucosaminidase) (Beta-N-acetylhexosaminidase) (Hexosaminidase A)	HEXA_HUMAN	60672	SAEGTFFINK	K	T	95.00%	58.20	39.20	2.92	1	0	1114.5	149	158	157	
(P06865) Beta-hexosaminidase alpha chain precursor (EC 3.2.1.52) (N-acetyl-beta-glucosaminidase) (Beta-N-acetylhexosaminidase) (Hexosaminidase A)	HEXA_HUMAN	60672	SAEGTFFINKTEIEDFPR	K	F	95.00%	91.30	38.20	7.74	2	0	2102.0	149	166	157	
(P07339) Cathepsin D precursor (EC 3.4.23.5) [Contains: Cathepsin D light chain; Cathepsin D heavy chain]	CATD_HUMAN	44535	YYKGSLSYLNVTR	K	K	95.00%	69.90	38.50	5.74	2	0	1564.8	254	266	263	
(P07339) Cathepsin D precursor (EC 3.4.23.5) [Contains: Cathepsin D light chain; Cathepsin D heavy chain]	CATD_HUMAN	44535	GSLSYLNVTR	K	K	95.00%	80.20	38.50	2.96	4	0	1110.6	257	266	263	
(P07602) Proactivator polypeptide precursor [Contains: Saposin A (Protein A); Saposin B-Val; Saposin B (Sphingolipid activator protein 1) (SAP-1) (Cerebroside sulfate activator) (CSAct) (Dispersin) (Sulfatide/GM1 activator); Saposin C (Co-beta-	SAP_HUMAN	58094	DVVTAAGDMLKDNATEEEILVYLEK	K	T	95.00%	85.00	37.40	9.85	6	3	2767.4	68	92	80	
(P07602) Proactivator polypeptide precursor [Contains: Saposin A (Protein A); Saposin B-Val; Saposin B (Sphingolipid activator protein 1) (SAP-1) (Cerebroside sulfate activator) (CSAct) (Dispersin) (Sulfatide/GM1 activator); Saposin C (Co-beta-	SAP_HUMAN	58094	DNATEEEILVYLEK	K	T	95.00%	89.50	38.90	2.24	2	0	1666.8	79	92	80	
(P07602) Proactivator polypeptide precursor [Contains: Saposin A (Protein A); Saposin B-Val; Saposin B (Sphingolipid activator protein 1) (SAP-1) (Cerebroside sulfate activator) (CSAct) (Dispersin) (Sulfatide/GM1 activator); Saposin C (Co-beta-	SAP_HUMAN	58094	TCDWLPKPNMSASCK	K	E	95.00%	40.70	38.50	2.89	1	0	1811.8	93	107	101	
(P07602) Proactivator polypeptide precursor [Contains: Saposin A (Protein A); Saposin B-Val; Saposin B (Sphingolipid activator protein 1) (SAP-1) (Cerebroside sulfate activator) (CSAct) (Dispersin) (Sulfatide/GM1 activator); Saposin C (Co-beta-	SAP_HUMAN	58094	TNSTFVQALVEHVK	R	E	95.00%	94.10	39.30	6.23	6	3	1573.8	214	227	215	
(P07602) Proactivator polypeptide precursor [Contains: Saposin A (Protein A); Saposin B-Val; Saposin B (Sphingolipid activator protein 1) (SAP-1) (Cerebroside sulfate activator) (CSAct) (Dispersin) (Sulfatide/GM1 activator); Saposin C (Co-beta-	SAP_HUMAN	58094	LIDNNKTEKEILDAFDK	K	M	95.00%	83.10	38.30	8.04	6	5	2007.0	328	344	332	
(P07602) Proactivator polypeptide precursor [Contains: Saposin A (Protein A); Saposin B-Val; Saposin B (Sphingolipid activator protein 1) (SAP-1) (Cerebroside sulfate activator) (CSAct) (Dispersin) (Sulfatide/GM1 activator); Saposin C (Co-beta-	SAP_HUMAN	58094	NLEKNSTKQEILAALEK	R	G	95.00%	124.00	38.40	5.70	6	7	1930.0	422	438	426	

(P07602) Proactivator polypeptide precursor [Contains: Saposin A (Protein A); Saposin B-Val; Saposin B (Sphingolipid activator protein 1) (SAP-1) (Cerebroside sulfate activator) (CSAct) (Dispersin) (Sulfatide/GM1 activator); Saposin C (Co-beta-	SAP_HUMAN	58094	NSTKQEILAALEK	K	G	95.00%	69.80	39.20	3.57	1	0	1445.8	426	438	426	
(P07686) Beta-hexosaminidase beta chain precursor (EC 3.2.1.52) (N-acetyl-beta-glucosaminidase) (Beta-N-acetylhexosaminidase) (Hexosaminidase B) (Cervical cancer proto-oncogene 7) (HCC-7) [Contains: Beta-hexosaminidase beta-B chain; Beta-hexos	HEXB_HUMAN	63095	MTPNLLHLAPENFYISHSPNSTAGPSCTLLEEAFRR	K	Y	95.00%	120.00	37.50	5.80	0	2	4088.9	65	100		84
(P07686) Beta-hexosaminidase beta chain precursor (EC 3.2.1.52) (N-acetyl-beta-glucosaminidase) (Beta-N-acetylhexosaminidase) (Hexosaminidase B) (Cervical cancer proto-oncogene 7) (HCC-7) [Contains: Beta-hexosaminidase beta-B chain; Beta-hexos	HEXB_HUMAN	63095	LDSFGPINPTLNTTYSFLTTFFK	K	E	95.00%	69.80	37.80	5.03	1	0	2626.3	316	338	327	
(P07711) Cathepsin L precursor (EC 3.4.22.15) (Major excreted protein) (MEP) [Contains: Cathepsin L heavy chain; Cathepsin L light chain]	CATL_HUMAN	37546	YSVANDTGFVDIPK	K	Q	95.00%	98.70	38.60	6.51	2	0	1526.7	217	230	221	
(P07711) Cathepsin L precursor (EC 3.4.22.15) (Major excreted protein) (MEP) [Contains: Cathepsin L heavy chain; Cathepsin L light chain]	CATL_HUMAN	37546	YSVANDTGFVDIPKQEK	K	A	95.00%	84.20	38.80	3.09	2	2	1911.9	217	233	221	
(P07996) Thrombospondin-1 precursor	TSP1_HUMAN	129394	VVNSTTGPGEHLR	K	N	95.00%	54.20	38.60	2.47	1	0	1367.7	1065	1077	1067	
(P08174) Complement decay-accelerating factor precursor (CD55 antigen)	DAF_HUMAN	41382	DSVICLKGSQWSDIEEFCNR	K	S	95.00%	44.80	38.80	2.37	0	1	2444.1	77	96		95
(P08174) Complement decay-accelerating factor precursor (CD55 antigen)	DAF_HUMAN	41382	GSQWSDIEEFCNR	K	S	95.00%	73.80	38.80	4.51	1	0	1628.7	84	96		95
(P08195) 4F2 cell-surface antigen heavy chain (4F2hc) (Lymphocyte activation antigen 4F2 large subunit) (4F2 heavy chain antigen) (CD98 antigen)	4F2_HUMAN	57929	DASSFLAEWQNITK	K	G	95.00%	93.80	39.20	5.96	2	0	1610.8	254	267	264	
(P08195) 4F2 cell-surface antigen heavy chain (4F2hc) (Lymphocyte activation antigen 4F2 large subunit) (4F2 heavy chain antigen) (CD98 antigen)	4F2_HUMAN	57929	LLIAGTNSSDLQQILSLLESNK	R	D	95.00%	72.50	39.50	1.16	0	1	2358.3	274	295	280	
(P08195) 4F2 cell-surface antigen heavy chain (4F2hc) (Lymphocyte activation antigen 4F2 large subunit) (4F2 heavy chain antigen) (CD98 antigen)	4F2_HUMAN	57929	SLVTQYLNATGNR	K	W	95.00%	91.80	38.90	2.33	2	0	1437.7	316	328	323	
(P08571) Monocyte differentiation antigen CD14 precursor (Myeloid cell-specific leucine-rich glycoprotein) [Contains: Monocyte differentiation antigen CD14, urinary form; Monocyte differentiation antigen CD14, membrane-bound form]	CD14_HUMAN	40059	LRNVSWATGR	R	S	95.00%	51.10	38.80	3.96	1	0	1160.6	149	158	151	
(P08582) Melanotransferrin precursor (Melanoma-associated antigen p97) (CD228 antigen)	TRFM_HUMAN	80223	DCDVLTAVSEFFNASCVPVNNPK	K	N	95.00%	104.00	37.80	9.09	2	0	2584.2	503	525		515
(P08648) Integrin alpha-5 precursor (Fibronectin receptor alpha subunit) (Integrin alpha-F) (VLA-5) (CD49e antigen) [Contains: Integrin alpha-5 heavy chain; Integrin alpha-5 light chain]	ITA5_HUMAN	114521	TEKEPLSDPVGTCYLSTDNFTR	R	I	95.00%	87.20	38.40	11.90	1	0	2531.2	164	185		182
(P08648) Integrin alpha-5 precursor (Fibronectin receptor alpha subunit) (Integrin alpha-F) (VLA-5) (CD49e antigen) [Contains: Integrin alpha-5 heavy chain; Integrin alpha-5 light chain]	ITA5_HUMAN	114521	GNLTYGYVTILNGSDIR	K	S	95.00%	102.00	38.60	7.10	1	0	1857.9	296	312		297, 307
(P08648) Integrin alpha-5 precursor (Fibronectin receptor alpha subunit) (Integrin alpha-F) (VLA-5) (CD49e antigen) [Contains: Integrin alpha-5 heavy chain; Integrin alpha-5 light chain]	ITA5_HUMAN	114521	NLNNSQSDVVSFR	K	L	95.00%	62.90	38.50	4.33	1	0	1480.7	771	783		773
(P08962) CD63 antigen (Melanoma-associated antigen ME491) (Lysosome-associated membrane glycoprotein 3) (LAMP-3) (Ocular melanoma-associated antigen) (OMA81H) (Granulophysin) (Tetraspanin-30) (Tspan-30)	CD63_HUMAN	25487	QQMENYPKNNHTASILDR	R	M	95.00%	53.70	38.60	4.17	1	0	2161.0	120	137	130	
(P08962) CD63 antigen (Melanoma-associated antigen ME491) (Lysosome-associated membrane glycoprotein 3) (LAMP-3) (Ocular melanoma-associated antigen) (OMA81H) (Granulophysin) (Tetraspanin-30) (Tspan-30)	CD63_HUMAN	25487	NNHTASILDR	K	M	95.00%	42.90	38.90	2.07	1	0	1141.6	128	137	130	
(P08962) CD63 antigen (Melanoma-associated antigen ME491) (Lysosome-associated membrane glycoprotein 3) (LAMP-3) (Ocular melanoma-associated antigen) (OMA81H) (Granulophysin) (Tetraspanin-30) (Tspan-30)	CD63_HUMAN	25487	CCGAANYTDWEK	K	I	95.00%	69.70	39.40	5.82	2	0	1475.6	144	155		150
(P08962) CD63 antigen (Melanoma-associated antigen ME491) (Lysosome-associated membrane glycoprotein 3) (LAMP-3) (Ocular melanoma-associated antigen) (OMA81H) (Granulophysin) (Tetraspanin-30) (Tspan-30)	CD63_HUMAN	25487	NRVPDSCCINVTVGCGINFNEK	K	A	95.00%	88.00	38.10	10.30	2	0	2554.1	162	183		172
(P08962) CD63 antigen (Melanoma-associated antigen ME491) (Lysosome-associated membrane glycoprotein 3) (LAMP-3) (Ocular melanoma-associated antigen) (OMA81H) (Granulophysin) (Tetraspanin-30) (Tspan-30)	CD63_HUMAN	25487	VPDSCCINVTVGCGINFNEK	R	A	95.00%	63.90	38.20	7.00	2	0	2284.0	164	183		172

(P09486) SPARC precursor (Secreted protein acidic and rich in cysteine) (Osteonectin) (ON) (Basement-membrane protein 40) (BM-40)	SPRC_HUMAN	34614	VCSNDNKTFDSSCHFFATK	K	C	95.00%	63.50	38.50	4.80	4	0	2266.0	111	129	116	
(P10253) Lysosomal alpha-glucosidase precursor (EC 3.2.1.20) (Acid maltase) (Aglucosidase alfa) [Contains: 76 kDa lysosomal alpha-glucosidase; 70 kDa lysosomal alpha-glucosidase]	LYAG_HUMAN	105321	LENLSSSEMGYTATLTR	K	T	95.00%	123.00	38.30	10.50	2	0	1889.9	138	154	140	
(P10253) Lysosomal alpha-glucosidase precursor (EC 3.2.1.20) (Acid maltase) (Aglucosidase alfa) [Contains: 76 kDa lysosomal alpha-glucosidase; 70 kDa lysosomal alpha-glucosidase]	LYAG_HUMAN	105321	GVFITNETGQPLIGK	R	V	95.00%	95.60	38.90	3.48	1	0	1574.8	465	479	470	
(P10253) Lysosomal alpha-glucosidase precursor (EC 3.2.1.20) (Acid maltase) (Aglucosidase alfa) [Contains: 76 kDa lysosomal alpha-glucosidase; 70 kDa lysosomal alpha-glucosidase]	LYAG_HUMAN	105321	NNTIVNELVR	R	V	95.00%	75.50	39.20	2.38	2	0	1172.6	882	891	882	
(P10253) Lysosomal alpha-glucosidase precursor (EC 3.2.1.20) (Acid maltase) (Aglucosidase alfa) [Contains: 76 kDa lysosomal alpha-glucosidase; 70 kDa lysosomal alpha-glucosidase]	LYAG_HUMAN	105321	VTVLGVATAPQQVLSNGVPVSNFTYSPDTK	K	V	95.00%	79.20	37.50	10.40	1	0	3091.6	904	933	925	
(P10619) Lysosomal protective protein precursor (EC 3.4.16.5) (Cathepsin A) (Carboxypeptidase C) (Protective protein for beta-galactosidase) [Contains: Lysosomal protective protein 32 kDa chain; Lysosomal protective protein 20 kDa chain]	PPGB_HUMAN	54450	FYATNDTEVAQSNFEALQDFFR	K	L	95.00%	131.00	38.10	6.68	2	0	2614.2	141	162	145	
(P10619) Lysosomal protective protein precursor (EC 3.4.16.5) (Cathepsin A) (Carboxypeptidase C) (Protective protein for beta-galactosidase) [Contains: Lysosomal protective protein 32 kDa chain; Lysosomal protective protein 20 kDa chain]	PPGB_HUMAN	54450	VRMDPPCTNTTAASTYLNNPYVR	K	K	95.00%	56.50	38.40	4.72	0	2	2658.2	325	347		333
(P10619) Lysosomal protective protein precursor (EC 3.4.16.5) (Cathepsin A) (Carboxypeptidase C) (Protective protein for beta-galactosidase) [Contains: Lysosomal protective protein 32 kDa chain; Lysosomal protective protein 20 kDa chain]	PPGB_HUMAN	54450	MDPPCTNTTAASTYLNNPYVR	R	K	95.00%	121.00	38.70	14.30	7	2	2387.1	327	347		333
(P10909) Clusterin precursor (Complement-associated protein SP-40,40) (Complement cytolysis inhibitor) (CLI) (NA1/NA2) (Apolipoprotein J) (Apo-J) (Testosterone-repressed prostate message 2) (TRPM-2) [Contains: Clusterin beta chain (ApoJalpha)	CLUS_HUMAN	52477	MLNTSSLLEQLNEQFNWVSR	K	L	95.00%	114.00	38.00	3.80	1	0	2426.2	352	371	354	
(P10909) Clusterin precursor (Complement-associated protein SP-40,40) (Complement cytolysis inhibitor) (CLI) (NA1/NA2) (Apolipoprotein J) (Apo-J) (Testosterone-repressed prostate message 2) (TRPM-2) [Contains: Clusterin beta chain (ApoJalpha)	CLUS_HUMAN	52477	LANLTQGEDQYYLR	R	V	95.00%	102.00	38.50	4.28	2	0	1684.8	372	385	374	
(P11047) Laminin gamma-1 chain precursor (Laminin B2 chain)	LAMC1_HUMAN	177587	LLNNLTSIK	K	I	95.00%	41.40	39.00	2.11	1	0	1016.6	647	655	650	
(P11047) Laminin gamma-1 chain precursor (Laminin B2 chain)	LAMC1_HUMAN	177587	VNNTLSSQISR	R	L	95.00%	98.20	38.90	4.89	2	0	1219.6	1106	1116	1107	
(P11047) Laminin gamma-1 chain precursor (Laminin B2 chain)	LAMC1_HUMAN	177587	VAAANVSVTQPESTGDPNNMTLLAEEAR	K	K	95.00%	71.30	37.20	6.59	1	0	2903.4	1157	1184	1161, 1175	
(P11047) Laminin gamma-1 chain precursor (Laminin B2 chain)	LAMC1_HUMAN	177587	TANDTSTEAYNLLLR	K	T	95.00%	102.00	39.00	6.12	1	0	1682.8	1203	1217		1205
(P11047) Laminin gamma-1 chain precursor (Laminin B2 chain)	LAMC1_HUMAN	177587	TLAGENQTAFEIEELNR	R	K	95.00%	76.90	38.80	5.23	1	0	1935.9	1218	1234	1223	
(P11047) Laminin gamma-1 chain precursor (Laminin B2 chain)	LAMC1_HUMAN	177587	KIPAINQTITEANEK	R	T	95.00%	84.10	39.30	6.66	1	0	1670.9	1390	1404	1395	
(P11117) Lysosomal acid phosphatase precursor (EC 3.1.3.2) (LAP)	PPAL_HUMAN	48299	YHGFLNTSYHR	R	Q	95.00%	39.20	38.70	2.29	1	0	1395.6	87	97		92
(P11117) Lysosomal acid phosphatase precursor (EC 3.1.3.2) (LAP)	PPAL_HUMAN	48299	FNPNISWQPIPVHTVPITEDR	R	L	95.00%	62.10	38.40	4.57	1	0	2461.3	130	150		133
(P11117) Lysosomal acid phosphatase precursor (EC 3.1.3.2) (LAP)	PPAL_HUMAN	48299	KNLTLMATTSQLPK	R	L	95.00%	65.30	38.80	6.05	1	0	1562.8	266	279		267
(P11279) Lysosome-associated membrane glycoprotein 1 precursor (LAMP-1) (CD107a antigen)	LAMP1_HUMAN	44756	SGPKNMTFDLPSDATVVLNR	K	S	95.00%	84.40	38.40	8.30	1	0	2180.1	57	76	61	
(P11279) Lysosome-associated membrane glycoprotein 1 precursor (LAMP-1) (CD107a antigen)	LAMP1_HUMAN	44756	NMTFDLPSDATVVLNR	K	S	95.00%	118.00	38.30	8.96	1	0	1810.9	61	76	61	
(P11279) Lysosome-associated membrane glycoprotein 1 precursor (LAMP-1) (CD107a antigen)	LAMP1_HUMAN	44756	SSCGKENTSDPSLVIAFGR	R	G	95.00%	94.80	38.60	9.89	2	2	2026.0	77	95	83	
(P11279) Lysosome-associated membrane glycoprotein 1 precursor (LAMP-1) (CD107a antigen)	LAMP1_HUMAN	44756	ENTSDPSLVIAFGR	K	G	95.00%	80.40	39.30	6.15	1	0	1506.7	82	95	83	
(P11279) Lysosome-associated membrane glycoprotein 1 precursor (LAMP-1) (CD107a antigen)	LAMP1_HUMAN	44756	GHTLTLNFTR	R	N	95.00%	59.50	38.90	2.89	2	0	1160.6	96	105	102	
(P11279) Lysosome-associated membrane glycoprotein 1 precursor (LAMP-1) (CD107a antigen)	LAMP1_HUMAN	44756	YSVQLMSFVYNLSDTHLFPNASSK	R	E	95.00%	62.10	37.40	3.07	1	0	2766.3	110	133	120	
(P11279) Lysosome-associated membrane glycoprotein 1 precursor (LAMP-1) (CD107a antigen)	LAMP1_HUMAN	44756	CVSGTQVHMNNVTVTLHDATIQAYLSNSSFSR	R	G	95.00%	97.40	38.00	8.96	0	2	3539.7	154	185	164	

(P11717) Cation-independent mannose-6-phosphate receptor precursor (CI Man-6-P receptor) (CI-MPR) (M6PR) (Insulin-like growth factor 2 receptor) (Insulin-like growth factor II receptor) (IGF-II receptor) (M6P/IGF2 receptor) (M6P/IGF2R) (300 kD	MPRI_HUMAN	274256	TNITLVCKPGDLESAPVLR	K	T	95.00%	63.10	38.50	10.20	1	0	2084.1	580	598	581	
(P11717) Cation-independent mannose-6-phosphate receptor precursor (CI Man-6-P receptor) (CI-MPR) (M6PR) (Insulin-like growth factor 2 receptor) (Insulin-like growth factor II receptor) (IGF-II receptor) (M6P/IGF2 receptor) (M6P/IGF2R) (300 kD	MPRI_HUMAN	274256	DAGVGFPEYQEEDNSTYNFR	R	W	95.00%	80.80	38.50	11.50	2	0	2339.0	734	753	747	
(P13284) Gamma-interferon-inducible lysosomal thiol reductase precursor (Gamma-interferon-inducible protein IP-30)	GILT_HUMAN	29131	SNAPLVNVTLYYEALCGGCR	K	A	95.00%	146.00	38.10	9.17	1	0	2258.1	68	87		74
(P13473) Lysosome-associated membrane glycoprotein 2 precursor (LAMP-2) (CD107b antigen)	LAMP2_HUMAN	44943	WQMNFTVR	K	Y	95.00%	47.20	38.60	3.41	1	0	1098.5	46	53	49	
(P13473) Lysosome-associated membrane glycoprotein 2 precursor (LAMP-2) (CD107b antigen)	LAMP2_HUMAN	44943	TVTISDHGTVTYNGSICGDDQNGPK	K	I	95.00%	66.60	38.60	3.03	0	7	2638.2	63	87	75	
(P13473) Lysosome-associated membrane glycoprotein 2 precursor (LAMP-2) (CD107b antigen)	LAMP2_HUMAN	44943	IAVQFGPGFSWIANFTK	K	A	95.00%	70.80	38.40	8.39	1	0	1884.0	88	104	101	
(P13473) Lysosome-associated membrane glycoprotein 2 precursor (LAMP-2) (CD107b antigen)	LAMP2_HUMAN	44943	VASVININPNTTHSTGSCR	K	S	95.00%	114.00	38.30	4.64	2	2	2029.0	248	266	257	
(P13473) Lysosome-associated membrane glycoprotein 2 precursor (LAMP-2) (CD107b antigen)	LAMP2_HUMAN	44943	VQPFNVTQGK	R	Y	95.00%	39.30	39.00	4.92	1	0	1118.6	352	361	356	
(P13591) Neural cell adhesion molecule 1, 140 kDa isoform precursor (N-CAM 140) (NCAM-140) (CD56 antigen)	NCAM1_HUMAN	93343	DGQLLPSSNYSNIK	R	I	95.00%	78.60	38.90	6.00	2	0	1536.8	451	464	459	
(P13611) Versican core protein precursor (Large fibroblast proteoglycan) (Chondroitin sulfate proteoglycan core protein 2) (PG-M) (Glial hyaluronate-binding protein) (GHAP)	CSPG2_HUMAN	372795	RGQFESVAPSQNFSDSSESDTHPFVIAK	R	T	95.00%	67.00	38.30	4.41	0	1	3068.4	1431	1458		1442
(P13674) Prolyl 4-hydroxylase alpha-1 subunit precursor (EC 1.14.11.2) (4-PH alpha-1) (Procollagen-proline,2-oxoglutarate-4-dioxygenase alpha-1 subunit)	P4HA1_HUMAN	61034	DMSDGFISNLTIQR	K	Q	95.00%	73.90	39.00	6.18	1	0	1613.7	105	118	113	
(P13987) CD59 glycoprotein precursor (Membrane attack complex inhibition factor) (MACIF) (MAC-inhibitory protein) (MAC-IP) (Protectin) (MEM43 antigen) (Membrane inhibitor of reactive lysis) (MIRL) (20 kDa homologous restriction factor) (HRF-20	CD59_HUMAN	14159	TAVNCSSDFDACLITK	K	A	95.00%	117.00	38.90	5.96	50	0	1802.8	40	55	43	
(P14314) Glucosidase 2 beta subunit precursor (Glucosidase II beta subunit) (Protein kinase C substrate, 60.1 kDa protein, heavy chain) (PKCSH) (80K-H protein)	GLU2B_HUMAN	59279	YEQGTGCWQGPNR	K	S	95.00%	50.50	39.40	1.34	1	0	1552.7	464	476		476
(P14384) Carboxypeptidase M precursor (EC 3.4.17.12)	CBPM_HUMAN	50497	TVAQNYSSVTHLHSIGK	K	S	95.00%	84.00	38.70	5.52	1	0	1842.9	34	50	38	
(P14384) Carboxypeptidase M precursor (EC 3.4.17.12)	CBPM_HUMAN	50497	ELLLHLIDYLVTSDGKDPEITNLINSTR	R	I	95.00%	64.10	38.30	4.15	0	1	3184.7	91	118	115	
(P14384) Carboxypeptidase M precursor (EC 3.4.17.12)	CBPM_HUMAN	50497	NFPDAFEYNNVSR	R	Q	95.00%	57.00	38.80	5.34	2	0	1573.7	155	167		164
(P15151) Poliovirus receptor precursor (Nectin-like protein 5) (Necl-5) (CD155 antigen)	PVR_HUMAN	45284	VEDEGNYTCLFVTFPQGSR	R	S	95.00%	71.30	38.60	3.80	1	0	2220.0	115	133	120	
(P15586) N-acetylglucosamine-6-sulfatase precursor (EC 3.1.6.14) (G6S) (Glucosamine-6-sulfatase)	GNS_HUMAN	62066	YPHNHHVVNNTLEGNCSSK	K	S	95.00%	81.60	38.20	5.05	1	2	2209.0	103	121		111, 117
(P15586) N-acetylglucosamine-6-sulfatase precursor (EC 3.1.6.14) (G6S) (Glucosamine-6-sulfatase)	GNS_HUMAN	62066	YYNYTLSINGK	K	A	95.00%	72.50	38.60	7.74	2	0	1337.6	181	191	183	
(P15586) N-acetylglucosamine-6-sulfatase precursor (EC 3.1.6.14) (G6S) (Glucosamine-6-sulfatase)	GNS_HUMAN	62066	TPMTNSSIQFLDNAFR	K	K	95.00%	124.00	38.60	8.77	10	3	1843.9	275	290	279	
(P15586) N-acetylglucosamine-6-sulfatase precursor (EC 3.1.6.14) (G6S) (Glucosamine-6-sulfatase)	GNS_HUMAN	62066	MLVANIDLGPTILDIAGYDLNK	K	T	95.00%	111.00	38.00	14.20	2	0	2376.2	367	388		387
(P15586) N-acetylglucosamine-6-sulfatase precursor (EC 3.1.6.14) (G6S) (Glucosamine-6-sulfatase)	GNS_HUMAN	62066	GASNLTWR	R	S	95.00%	54.90	39.00	2.35	3	0	905.4	402	409		405
(P15848) Arylsulfatase B precursor (EC 3.1.6.12) (ASB) (N-acetylgalactosamine-4-sulfatase) (G4S)	ARSB_HUMAN	59671	CTLIDALNVTR	R	C	95.00%	46.20	39.40	4.28	1	0	1276.7	181	191		188
(P15848) Arylsulfatase B precursor (EC 3.1.6.12) (ASB) (N-acetylgalactosamine-4-sulfatase) (G4S)	ARSB_HUMAN	59671	GHTNGTKPLDGFDVWK	R	T	75.90%	38.60	38.50	0.00	1	0	1772.9	363	378	366	
(P16070) CD44 antigen precursor (Phagocytic glycoprotein I) (PGP-1) (HUTCH-I) (Extracellular matrix receptor-III) (ECMR-III) (GP90 lymphocyte homing/adhesion receptor) (Hermes antigen) (Hyaluronate receptor) (Heparan sulfate proteoglycan) (Epi	CD44_HUMAN	81535	AFNSTLPTMAQMEK	K	A	95.00%	76.90	39.20	4.85	4	0	1601.7	55	68	57	
(P16278) Beta-galactosidase precursor (EC 3.2.1.23) (Lactase) (Acid beta-galactosidase)	BGAL_HUMAN	76076	NNVITLNITGK	R	A	95.00%	67.70	38.90	3.74	2	0	1188.6	458	468	464	
(P16870) Carboxypeptidase E precursor (EC 3.4.17.10) (CPE) (Carboxypeptidase H) (CPH) (Enkephalin convertase) (Prohormone-processing carboxypeptidase)	CBPE_HUMAN	53134	DLQGNPIANATISVEGIDHDVTSAK	R	D	95.00%	92.20	37.70	8.32	2	0	2566.3	382	406		390
(P17050) Alpha-N-acetylgalactosaminidase precursor (EC 3.2.1.49) (Alpha-galactosidase B)	NAGAB_HUMAN	46548	LGIYADMGNFTCMGYPGTTLDK	K	V	95.00%	86.50	38.50	7.49	2	0	2442.1	116	137		124

(P17050) Alpha-N-acetylgalactosaminidase precursor (EC 3.2.1.49) (Alpha-galactosidase B)	NAGAB_HUMAN	46548	VNYSLLADICNLWR	R	N	95.00%	67.90	38.70	3.51	1	0	1737.9	200	213		201
(P17301) Integrin alpha-2 precursor (Platelet membrane glycoprotein Ia) (GPIa) (Collagen receptor) (VLA-2 alpha chain) (CD49b antigen)	ITA2_HUMAN	129280	TNMSLGLILTR	K	N	95.00%	63.30	39.00	2.89	2	0	1235.7	111	121		112
(P17301) Integrin alpha-2 precursor (Platelet membrane glycoprotein Ia) (GPIa) (Collagen receptor) (VLA-2 alpha chain) (CD49b antigen)	ITA2_HUMAN	129280	YFFNVSDEAALLEK	R	A	95.00%	92.60	38.70	5.42	2	0	1646.8	340	353	343	
(P17405) Sphingomyelin phosphodiesterase precursor (EC 3.1.4.12) (Acid sphingomyelinase) (aSMase)	ASM_HUMAN	69835	VYQIDGNYSR	R	S	95.00%	45.90	39.10	0.00	1	0	1215.6	497	506		503
(P17900) Ganglioside GM2 activator precursor (GM2-AP) (Cerebroside sulfate activator protein) (Shingolipid activator protein 3) (SAP-3) [Contains: Ganglioside GM2 activator isoform short]	SAP3_HUMAN	20805	SLTLEPDPIVVPGNVTLSVVGSTSVPLSSPLK	R	V	95.00%	82.80	36.70	8.96	1	0	3203.8	50	81	63	
(P17936) Insulin-like growth factor-binding protein 3 precursor (IGFBP-3) (IBP-3) (IGF-binding protein 3)	IBP3_HUMAN	31642	GLCVNASAVSR	R	L	95.00%	66.70	39.00	3.77	1	0	1134.6	112	122	116	
(P19022) Neural-cadherin precursor (N-cadherin) (Cadherin-2) (CDw325 antigen)	CADH2_HUMAN	99836	IVSQAPSTPSPNMFTINNETGDIITVAAGLDREK	R	V	95.00%	73.70	38.30	4.82	0	1	3605.8	308	341		325
(P19022) Neural-cadherin precursor (N-cadherin) (Cadherin-2) (CDw325 antigen)	CADH2_HUMAN	99836	VDIIVANLTVTDKDQPHTPAWNAVYR	R	I	95.00%	66.70	38.90	6.05	0	1	2938.5	396	421		402
(P19440) Gamma-glutamyltranspeptidase 1 precursor (EC 2.3.2.2) (Gamma-glutamyltransferase 1) (CD224 antigen) [Contains: Gamma-glutamyltranspeptidase 1 heavy chain; Gamma-glutamyltranspeptidase 1 light chain]	GGT1_HUMAN	61393	LHNQLLPNVTTVER	R	N	95.00%	46.50	39.60	3.38	0	1	1634.9	504	517	511	
(P21589) 5'-nucleotidase precursor (EC 3.1.3.5) (Ecto-5'-nucleotidase) (5'-NT) (CD73 antigen)	5NTD_HUMAN	63351	GNVISSHGNPILLNSSIPEDPSIK	R	A	95.00%	64.30	38.40	5.02	2	0	2489.3	298	321		311
(P21589) 5'-nucleotidase precursor (EC 3.1.3.5) (Ecto-5'-nucleotidase) (5'-NT) (CD73 antigen)	5NTD_HUMAN	63351	IKLDNYSTQELGK	R	T	95.00%	72.50	39.00	4.85	1	0	1509.8	329	341		333
(P23470) Receptor-type tyrosine-protein phosphatase gamma precursor (EC 3.1.3.48) (Protein-tyrosine phosphatase gamma) (R-PTP-gamma)	PTPRG_HUMAN	162042	VGEEYQELQLDGFDNESSNK	R	T	95.00%	59.00	38.60	7.42	1	0	2303.0	95	114	113	109
(P23470) Receptor-type tyrosine-protein phosphatase gamma precursor (EC 3.1.3.48) (Protein-tyrosine phosphatase gamma) (R-PTP-gamma)	PTPRG_HUMAN	162042	SDFSQTMLFQANTTR	R	I	95.00%	79.40	39.00	6.20	1	0	1763.8	433	447	444	
(P24821) Tenascin precursor (TN) (Hexabrachion) (Cytotactin) (Neuronectin) (GMEM) (JI) (Miotendinous antigen) (Glioma-associated-extracellular matrix antigen) (GP 150-225) (Tenascin C) (TN-C)	TENA_HUMAN	240845	QSGVNATLPEENQPVVFNHVYNIK	R	L	95.00%	0.00	0.00	5.37	1	0	2681.3	34	57		38
(P24821) Tenascin precursor (TN) (Hexabrachion) (Cytotactin) (Neuronectin) (GMEM) (JI) (Miotendinous antigen) (Glioma-associated-extracellular matrix antigen) (GP 150-225) (Tenascin C) (TN-C)	TENA_HUMAN	240845	LNYSLPTGQWVGVQLPR	R	N	95.00%	65.60	38.40	4.96	2	0	1929.0	1017	1033		1018
(P24821) Tenascin precursor (TN) (Hexabrachion) (Cytotactin) (Neuronectin) (GMEM) (JI) (Miotendinous antigen) (Glioma-associated-extracellular matrix antigen) (GP 150-225) (Tenascin C) (TN-C)	TENA_HUMAN	240845	VEAAQNLTLPGSLR	K	A	95.00%	72.60	38.80	1.34	1	0	1469.8	1387	1400		1392
(P24821) Tenascin precursor (TN) (Hexabrachion) (Cytotactin) (Neuronectin) (GMEM) (JI) (Miotendinous antigen) (Glioma-associated-extracellular matrix antigen) (GP 150-225) (Tenascin C) (TN-C)	TENA_HUMAN	240845	LLETVEYNISGAER	R	T	95.00%	95.20	39.20	4.80	2	0	1594.8	1478	1491		1485
(P26006) Integrin alpha-3 precursor (Galactoprotein B3) (GAPB3) (VLA-3 alpha chain) (FRP-2) (CD49c antigen) [Contains: Integrin alpha-3 heavy chain; Integrin alpha-3 light chain]	ITA3_HUMAN	118682	ELAVPDGYTNR	R	T	95.00%	46.90	38.70	1.85	1	0	1235.6	77	87		86
(P26006) Integrin alpha-3 precursor (Galactoprotein B3) (GAPB3) (VLA-3 alpha chain) (FRP-2) (CD49c antigen) [Contains: Integrin alpha-3 heavy chain; Integrin alpha-3 light chain]	ITA3_HUMAN	118682	NITIVTGAPR	K	H	95.00%	69.90	38.80	3.36	2	0	1042.6	265	274		265
(P26006) Integrin alpha-3 precursor (Galactoprotein B3) (GAPB3) (VLA-3 alpha chain) (FRP-2) (CD49c antigen) [Contains: Integrin alpha-3 heavy chain; Integrin alpha-3 light chain]	ITA3_HUMAN	118682	SLDAYPILNQAQALENHTEVQFQK	R	E	95.00%	74.80	38.10	4.00	1	0	2758.4	590	613		605
(P27487) Dipeptidyl peptidase 4 (EC 3.4.14.5) (Dipeptidyl peptidase IV) (DPP IV) (T-cell activation antigen CD26) (TP103) (Adenosine deaminase complexing protein 2) (ADABP) [Contains: Dipeptidyl peptidase 4 membrane form (Dipeptidyl peptidase	DPP4_HUMAN	88263	QLITEERIPNNTQWVTWSPVGHK	R	L	95.00%	0.00	0.00	6.70	0	1	2717.4	141	163	150	
(P27487) Dipeptidyl peptidase 4 (EC 3.4.14.5) (Dipeptidyl peptidase IV) (DPP IV) (T-cell activation antigen CD26) (TP103) (Adenosine deaminase complexing protein 2) (ADABP) [Contains: Dipeptidyl peptidase 4 membrane form (Dipeptidyl peptidase	DPP4_HUMAN	88263	IPNNTQWVTWSPVGHK	R	L	95.00%	85.20	38.40	6.05	1	0	1864.9	148	163	150	

(P27487) Dipeptidyl peptidase 4 (EC 3.4.14.5) (Dipeptidyl peptidase IV) (DPP IV) (T-cell activation antigen CD26) (TP103) (Adenosine deaminase complexing protein 2) (ADABP) [Contains: Dipeptidyl peptidase 4 membrane form (Dipeptidyl peptidase	DPP4_HUMAN	88263	IQNYSVMDICDYDESSGR	R	W	95.00%	107.00	38.60	10.70	1	0	2168.9	319	336	321	
(P27487) Dipeptidyl peptidase 4 (EC 3.4.14.5) (Dipeptidyl peptidase IV) (DPP IV) (T-cell activation antigen CD26) (TP103) (Adenosine deaminase complexing protein 2) (ADABP) [Contains: Dipeptidyl peptidase 4 membrane form (Dipeptidyl peptidase	DPP4_HUMAN	88263	KLDFIILNETK	K	F	95.00%	84.80	39.00	2.70	2	0	1334.8	513	523	520	
(P28799) Granulins precursor (Proepithelin) (PEPI) [Contains: Acrogranin; Paragranulin; Granulin-1 (Granulin G); Granulin-2 (Granulin F); Granulin-3 (Granulin B); Granulin-4 (Granulin A); Granulin-5 (Granulin C); Granulin-6 (Granulin D); Granul	GRN_HUMAN	63522	YGCCPMPNATCCSDHLHCCPQDTVCDLIQSK	K	C	95.00%	80.50	37.80	4.35	0	1	3801.5	229	259		236
(P28799) Granulins precursor (Proepithelin) (PEPI) [Contains: Acrogranin; Paragranulin; Granulin-1 (Granulin G); Granulin-2 (Granulin F); Granulin-3 (Granulin B); Granulin-4 (Granulin A); Granulin-5 (Granulin C); Granulin-6 (Granulin D); Granul	GRN_HUMAN	63522	CLSKENATTDLLTK	K	L	95.00%	43.90	39.20	1.02	1	0	1594.8	260	273		265
(P28799) Granulins precursor (Proepithelin) (PEPI) [Contains: Acrogranin; Paragranulin; Granulin-1 (Granulin G); Granulin-2 (Granulin F); Granulin-3 (Granulin B); Granulin-4 (Granulin A); Granulin-5 (Granulin C); Granulin-6 (Granulin D); Granul	GRN_HUMAN	63522	ENATTDLLTK	K	L	95.00%	45.50	39.40	2.10	2	0	1106.6	264	273		265
(P28799) Granulins precursor (Proepithelin) (PEPI) [Contains: Acrogranin; Paragranulin; Granulin-1 (Granulin G); Granulin-2 (Granulin F); Granulin-3 (Granulin B); Granulin-4 (Granulin A); Granulin-5 (Granulin C); Granulin-6 (Granulin D); Granul	GRN_HUMAN	63522	DVECGEGHFCHDNQTCCR	K	D	95.00%	51.80	38.20	3.80	1	0	2281.8	518	535		530
(P29323) Ephrin type-B receptor 2 precursor (EC 2.7.10.1) (Tyrosine-protein kinase receptor EPH-3) (DRT) (Receptor protein-tyrosine kinase HEK5) (ERK) (NY-REN-47 antigen)	EPHB2_HUMAN	117476	AGFEAVENGTVCR	K	G	95.00%	53.90	39.20	3.18	1	0	1410.6	258	270		265
(P30447) HLA class I histocompatibility antigen, A-23 alpha chain precursor (MHC class I antigen A*23) (A-9)	1A23_HUMAN	40714	YYNQSEAGSHTLQMMFGCDVGSDGR	R	F	95.00%	71.30	38.90	7.10	0	2	2843.1	108	132		110
(P30481) HLA class I histocompatibility antigen, B-44 alpha chain precursor (MHC class I antigen B*44) (Bw-44)	1B44_HUMAN	40463	YYNQSEAGSHIIQR	R	M	95.00%	82.80	38.80	5.92	1	0	1666.8	108	121		110
(P30533) Alpha-2-macroglobulin receptor-associated protein precursor (Alpha-2-MRAP) (Low density lipoprotein receptor-related protein-associated protein 1) (RAP)	AMRP_HUMAN	41450	VIDLWDLAQSANLTDKELEAFREELK	R	H	95.00%	61.70	38.30	3.82	0	2	3047.6	257	282		268
(P32004) Neural cell adhesion molecule L1 precursor (N-CAM L1) (CD171 antigen)	L1CAM_HUMAN	139985	LLFPTNSSSHLVALQGQPLVLECIAEGFPTPTIK	R	W	95.00%	63.80	38.50	7.51	0	1	3678.9	242	275		247
(P32970) Tumor necrosis factor ligand superfamily member 7 (CD27 ligand) (CD27-L) (CD70 antigen)	CD70_HUMAN	21100	GDTLCTNLTGTLLPSR	R	N	95.00%	80.20	38.60	3.02	2	0	1719.9	164	179		170
(P34059) N-acetylgalactosamine-6-sulfatase precursor (EC 3.1.6.4) (N-acetylgalactosamine-6-sulfate sulfatase) (Galactose-6-sulfate sulfatase) (GalNAc6S sulfatase) (Chondroitinsulfatase) (Chondroitinase)	GALNS_HUMAN	58009	TGEANLTQIYLQEALDFIKR	K	Q	95.00%	60.30	39.00	2.64	0	1	2324.2	200	219		204
(P34059) N-acetylgalactosamine-6-sulfatase precursor (EC 3.1.6.4) (N-acetylgalactosamine-6-sulfate sulfatase) (Galactose-6-sulfate sulfatase) (GalNAc6S sulfatase) (Chondroitinsulfatase) (Chondroitinase)	GALNS_HUMAN	58009	QGIDFCPGQNVSGVTTHNLEDHTK	R	L	95.00%	0.00	0.00	4.17	1	0	2639.2	414	437		423
(P35052) Glypican-1 precursor	GPC1_HUMAN	61633	ICPQGYTCCTSEMEENLANR	R	S	95.00%	75.60	37.90	2.64	1	0	2450.0	61	80		79
(P35052) Glypican-1 precursor	GPC1_HUMAN	61633	SFDDHFQHLLNDSER	R	T	95.00%	50.30	38.90	4.92	2	0	1860.8	106	120		116
(P35555) Fibrillin-1 precursor	FBN1_HUMAN	312283	VLPVNVTDYCQLVR	R	Y	95.00%	53.50	39.20	4.72	1	0	1676.9	444	457		448
(P35613) Basigin precursor (Leukocyte activation antigen M6) (Collagenase stimulatory factor) (Extracellular matrix metalloproteinase inducer) (EMMPRIN) (5F7) (Tumor cell-derived collagenase stimulatory factor) (TCSF) (OK blood group antigen)	BASI_HUMAN	42182	ILLTCSLNDSATEVTGHR	K	W	95.00%	143.00	38.20	5.89	2	2	1988.0	153	170	160	
(P41222) Prostaglandin-H2 D-isomerase precursor (EC 5.3.99.2) (Lipocalin-type prostaglandin-D synthase) (Glutathione-independent PGD synthetase) (Prostaglandin-D2 synthase) (PGD2 synthase) (PGDS2) (PGDS) (Beta-trace protein) (Cerebrin-28)	PTGDS_HUMAN	21011	WFSAGLASNSSWLR	R	E	95.00%	76.30	38.60	5.32	1	0	1582.8	43	56	51	
(P41222) Prostaglandin-H2 D-isomerase precursor (EC 5.3.99.2) (Lipocalin-type prostaglandin-D synthase) (Glutathione-independent PGD synthetase) (Prostaglandin-D2 synthase) (PGD2 synthase) (PGDS2) (PGDS) (Beta-trace protein) (Cerebrin-28)	PTGDS_HUMAN	21011	SVVAPATDGGLNLTSTFLR	K	K	95.00%	147.00	38.30	14.10	2	0	1920.0	67	85	78	
(P43251) Biotinidase precursor (EC 3.5.1.12)	BTD_HUMAN	58896	NPVGLIGAENATGETDPSHSK	K	F	95.00%	61.10	38.90	2.80	0	1	2095.0	320	340	329	
(P43308) Translocon-associated protein beta subunit precursor (TRAP-beta) (Signal sequence receptor beta subunit) (SSR-beta)	SSRB_HUMAN	20118	IAPASNVSHTVVLRPLK	R	A	95.00%	84.10	38.60	3.72	2	0	1803.0	83	99	88	
(P48307) Tissue factor pathway inhibitor 2 precursor (TFPI-2) (Placental protein 5) (PP5)	TFPI2_HUMAN	26917	YFFNLSSMTCEK	K	F	95.00%	43.20	38.80	3.37	1	0	1543.6	113	124		116

(P48307) Tissue factor pathway inhibitor 2 precursor (TFPI-2) (Placental protein 5) (PP5)	TFPI2_HUMAN	26917	KIPSFCYSPKDEGLCSANVTR	K	Y	95.00%	50.50	38.70	3.22	0	1	2430.1	153	173		170
(P48307) Tissue factor pathway inhibitor 2 precursor (TFPI-2) (Placental protein 5) (PP5)	TFPI2_HUMAN	26917	DEGLCSANVTR	K	Y	95.00%	48.30	39.20	6.52	2	0	1222.5	163	173		170
(P48960) CD97 antigen precursor (Leukocyte antigen CD97)	CD97_HUMAN	91852	WCPQNSSCVNATACR	R	C	95.00%	73.40	38.50	6.89	1	0	1811.7	29	43		33, 38
(P50895) Lutheran blood group glycoprotein precursor (B-CAM cell surface glycoprotein) (Auberger B antigen) (F8/G253 antigen)	LU_HUMAN	67386	VLSLPLNSSAVVNCSVHGLPTPALR	K	W	95.00%	59.90	37.70	9.70	2	0	2603.4	371	395		377, 383
(P50895) Lutheran blood group glycoprotein precursor (B-CAM cell surface glycoprotein) (Auberger B antigen) (F8/G253 antigen)	LU_HUMAN	67386	TQNFTLLVQGSPELK	R	T	95.00%	72.20	39.00	5.66	1	0	1675.9	437	451	439	
(P50897) Palmitoyl-protein thioesterase 1 precursor (EC 3.1.2.22) (Palmitoyl-protein hydrolase 1)	PPT1_HUMAN	34176	LVQAEYWHDPIKEDVYRNHSIFLADINQER	R	G	95.00%	61.20	37.80	5.29	0	1	3700.8	180	209		197
(P50897) Palmitoyl-protein thioesterase 1 precursor (EC 3.1.2.22) (Palmitoyl-protein hydrolase 1)	PPT1_HUMAN	34176	NHSIFLADINQER	R	G	95.00%	51.00	39.30	6.40	1	0	1557.8	197	209		197
(P50897) Palmitoyl-protein thioesterase 1 precursor (EC 3.1.2.22) (Palmitoyl-protein hydrolase 1)	PPT1_HUMAN	34176	FLNDSIVDPVDSEWFGFYR	K	S	95.00%	117.00	38.10	9.80	3	0	2307.1	230	248	232	
(P51688) N-sulphoglucosamine sulphohydrolase precursor (EC 3.10.1.1) (Sulfoglucosamine sulfamidase) (Sulphamidase)	SPHM_HUMAN	56678	NALLLLADDGGFESGAYNNSAIATPHLDALAR	R	R	95.00%	172.00	38.40	9.24	0	1	3272.6	24	55	41	
(P51688) N-sulphoglucosamine sulphohydrolase precursor (EC 3.10.1.1) (Sulfoglucosamine sulfamidase) (Sulphamidase)	SPHM_HUMAN	56678	DAGVLNDTLVIFTSDNGIPFPSGR	R	T	95.00%	72.20	38.00	4.31	1	0	2507.2	259	282	264	
(P51688) N-sulphoglucosamine sulphohydrolase precursor (EC 3.10.1.1) (Sulfoglucosamine sulfamidase) (Sulphamidase)	SPHM_HUMAN	56678	MPFPIDQDFYVSPTFQDLLNR	K	T	95.00%	37.30	38.00	4.70	1	0	2560.2	394	414		413
(P53634) Dipeptidyl-peptidase 1 precursor (EC 3.4.14.1) (Dipeptidyl-peptidase I) (DPP-I) (DPPI) (Cathepsin C) (Cathepsin J) (Dipeptidyl transferase) [Contains: Dipeptidyl-peptidase 1 exclusion domain chain (Dipeptidyl-peptidase I exclusion dom	CATC_HUMAN	51824	DVNCSVMGPQEK	R	K	95.00%	66.40	39.20	3.66	1	0	1380.6	51	62	53	
(P53634) Dipeptidyl-peptidase 1 precursor (EC 3.4.14.1) (Dipeptidyl-peptidase I) (DPP-I) (DPPI) (Cathepsin C) (Cathepsin J) (Dipeptidyl transferase) [Contains: Dipeptidyl-peptidase 1 exclusion domain chain (Dipeptidyl-peptidase I exclusion dom	CATC_HUMAN	51824	VTTYCNETMTGWVHDVLGR	K	N	95.00%	76.60	38.10	5.24	1	0	2256.0	114	132	119	
(P53634) Dipeptidyl-peptidase 1 precursor (EC 3.4.14.1) (Dipeptidyl-peptidase I) (DPP-I) (DPPI) (Cathepsin C) (Cathepsin J) (Dipeptidyl transferase) [Contains: Dipeptidyl-peptidase 1 exclusion domain chain (Dipeptidyl-peptidase I exclusion dom	CATC_HUMAN	51824	ILTNNSQTPILSPQEVVSCSQYAQGCEGGFPYLIAGK	R	Y	95.00%	0.00	0.00	4.41	0	1	4028.9	273	309	276	
(P55285) Cadherin-6 precursor (Kidney-cadherin) (K cadherin)	CADH6_HUMAN	88293	EDAQINTTIGSVTAQDPDAAR	R	N	95.00%	82.10	38.20	3.68	2	0	2174.0	394	414	399	
(P55285) Cadherin-6 precursor (Kidney-cadherin) (K cadherin)	CADH6_HUMAN	88293	IFNIDSGNGSIFTSK	R	L	95.00%	83.50	39.10	3.21	2	0	1600.8	430	444		437
(P56159) GDNF family receptor alpha-1 precursor (GFR-alpha-1) (GDNF receptor alpha) (GDNFR-alpha) (TGF-beta-related neurotrophic factor receptor 1) (RET ligand 1)	GFRA1_HUMAN	51439	ETNFSLASGLEAK	K	D	95.00%	72.70	38.90	1.89	2	0	1367.7	57	69		59
(P61916) Epididymal secretory protein E1 precursor (Niemann-Pick disease type C2 protein) (hE1)	NPC2_HUMAN	16552	DCGSVDGVIKEVNVSPCPTQPCQLSK	K	G	95.00%	81.00	38.30	4.62	0	2	2875.3	26	51		38
(P61916) Epididymal secretory protein E1 precursor (Niemann-Pick disease type C2 protein) (hE1)	NPC2_HUMAN	16552	EVNVSPCPTQPCQLSK	K	G	95.00%	42.00	38.60	1.48	1	0	1843.9	36	51		38
(P61916) Epididymal secretory protein E1 precursor (Niemann-Pick disease type C2 protein) (hE1)	NPC2_HUMAN	16552	GQSYSVNVTFTSNIQSK	K	S	95.00%	83.90	39.00	4.13	2	0	1860.9	52	68		58
(P80188) Neutrophil gelatinase-associated lipocalin precursor (NGAL) (p25) (25 kDa alpha-2-microglobulin-related subunit of MMP-9) (Lipocalin-2) (Oncogene 24p3)	NGAL_HUMAN	22571	EDKSYNVTSVLFR	K	K	95.00%	39.70	38.80	4.15	1	0	1558.8	80	92	85	
(P80188) Neutrophil gelatinase-associated lipocalin precursor (NGAL) (p25) (25 kDa alpha-2-microglobulin-related subunit of MMP-9) (Lipocalin-2) (Oncogene 24p3)	NGAL_HUMAN	22571	SYNVTSVLFR	K	K	95.00%	56.50	38.80	6.29	1	0	1186.6	83	92	85	
(Q02083) N-acylethanolamine-hydrolyzing acid amidase precursor (EC 3.5.1.-) (N-acylsphingosine amidohydrolase-like) (ASAH-like protein) (Acid ceramidase-like protein)	NAAA_HUMAN	40015	FNVSLDSVPELR	R	W	95.00%	70.30	39.40	4.77	2	0	1376.7	36	47		37
(Q02809) Procollagen-lysine,2-oxoglutarate 5-dioxygenase 1 precursor (EC 1.14.11.4) (Lysyl hydroxylase 1) (LH1)	PLOD1_HUMAN	83535	FLGSGGFIGYAPNLSK	R	L	95.00%	47.90	38.90	2.46	1	0	1627.8	151	166		163
(Q02809) Procollagen-lysine,2-oxoglutarate 5-dioxygenase 1 precursor (EC 1.14.11.4) (Lysyl hydroxylase 1) (LH1)	PLOD1_HUMAN	83535	EQINITLDHR	R	C	95.00%	48.80	39.10	4.00	1	0	1239.6	194	203		197
(Q05707) Collagen alpha-1(XIV) chain precursor (Undulin)	COEA1_HUMAN	193468	AIIQGLMPDQNYTVQIIAYNK	K	D	95.00%	62.40	38.50	7.21	2	0	2410.2	84	104		94
(Q06481) Amyloid-like protein 2 precursor (Amyloid protein homolog) (APPH) (CDEI box-binding protein) (CDEBP)	APLP2_HUMAN	86937	RNQSLSLLYK	R	V	95.00%	47.70	39.20	1.47	1	0	1222.7	540	549		541
(Q07954) Low-density lipoprotein receptor-related protein 1 precursor (LRP) (Alpha-2-macroglobulin receptor) (A2MR) (Apolipoprotein E receptor) (APOER) (CD91 antigen)	LRP1_HUMAN	504543	VNRFNSTEYQVVTR	R	V	95.00%	43.30	39.00	4.59	1	0	1713.9	442	455	446	

(Q07954) Low-density lipoprotein receptor-related protein 1 precursor (LRP) (Alpha-2-macroglobulin receptor) (A2MR) (Apolipoprotein E receptor) (APOER) (CD91 antigen)	LRP1_HUMAN	504543	FNSTEYQVVTR	R	V	95.00%	86.70	38.80	8.29	1	0	1344.6	445	455	446	
(Q07954) Low-density lipoprotein receptor-related protein 1 precursor (LRP) (Alpha-2-macroglobulin receptor) (A2MR) (Apolipoprotein E receptor) (APOER) (CD91 antigen)	LRP1_HUMAN	504543	LTSCATNASICGDEAR	K	C	87.80%	41.10	39.10	0.00	1	0	1726.7	3782	3797		3788
(Q08380) Galectin-3-binding protein precursor (Lectin galactoside-binding soluble 3-binding protein) (Mac-2-binding protein) (Mac-2 BP) (MAC2BP) (Tumor-associated antigen 90K)	LG3BP_HUMAN	65314	ALGFENATQALGR	R	A	95.00%	83.80	38.90	5.43	2	0	1348.7	64	76	69	
(Q08380) Galectin-3-binding protein precursor (Lectin galactoside-binding soluble 3-binding protein) (Mac-2-binding protein) (Mac-2 BP) (MAC2BP) (Tumor-associated antigen 90K)	LG3BP_HUMAN	65314	EPGSNVTMSVDAECVPMVR	K	D	95.00%	94.20	38.30	4.40	2	2	2110.9	188	206	192	
(Q08380) Galectin-3-binding protein precursor (Lectin galactoside-binding soluble 3-binding protein) (Mac-2-binding protein) (Mac-2 BP) (MAC2BP) (Tumor-associated antigen 90K)	LG3BP_HUMAN	65314	YKGLNLTEDTYKPR	R	I	95.00%	77.50	39.00	5.89	1	0	1698.9	394	407	398	
(Q08380) Galectin-3-binding protein precursor (Lectin galactoside-binding soluble 3-binding protein) (Mac-2-binding protein) (Mac-2 BP) (MAC2BP) (Tumor-associated antigen 90K)	LG3BP_HUMAN	65314	GLNLTEDTYKPR	K	I	95.00%	88.70	38.70	3.47	2	0	1407.7	396	407	398	
(Q08380) Galectin-3-binding protein precursor (Lectin galactoside-binding soluble 3-binding protein) (Mac-2-binding protein) (Mac-2 BP) (MAC2BP) (Tumor-associated antigen 90K)	LG3BP_HUMAN	65314	AAIPSALDTNSSK	K	S	95.00%	86.40	39.40	5.46	2	0	1275.6	542	554	551	
(Q08380) Galectin-3-binding protein precursor (Lectin galactoside-binding soluble 3-binding protein) (Mac-2-binding protein) (Mac-2 BP) (MAC2BP) (Tumor-associated antigen 90K)	LG3BP_HUMAN	65314	TVIRPFYLTNSSGVD	R	-	95.00%	72.70	39.20	4.10	1	0	1669.8	571	585	580	
(Q10588) ADP-ribosyl cyclase 2 precursor (EC 3.2.2.5) (Cyclic ADP-ribose hydrolase 2) (cADPr hydrolase 2) (Bone marrow stromal antigen 1) (BST-1) (CD157 antigen)	BST1_HUMAN	35721	NKNCTAIWEAFK	R	V	95.00%	55.00	38.60	4.42	1	0	1482.7	64	75		66
(Q10588) ADP-ribosyl cyclase 2 precursor (EC 3.2.2.5) (Cyclic ADP-ribose hydrolase 2) (cADPr hydrolase 2) (Bone marrow stromal antigen 1) (BST-1) (CD157 antigen)	BST1_HUMAN	35721	VALDKDPCSVLPSDYDLFINLSR	K	H	95.00%	67.20	38.40	6.02	1	2	2638.3	76	98		95
(Q10588) ADP-ribosyl cyclase 2 precursor (EC 3.2.2.5) (Cyclic ADP-ribose hydrolase 2) (cADPr hydrolase 2) (Bone marrow stromal antigen 1) (BST-1) (CD157 antigen)	BST1_HUMAN	35721	DSSGVIHVMLNGSEPTGAYPIK	K	G	95.00%	65.20	38.10	5.89	1	0	2289.1	182	203	192	
(Q10589) Bone marrow stromal antigen 2 (BST-2) (CD317 antigen)	BST2_HUMAN	19751	NVTHLLQQELTEAQK	R	G	95.00%	71.70	38.50	6.68	1	0	1752.9	65	79		65
(Q10589) Bone marrow stromal antigen 2 (BST-2) (CD317 antigen)	BST2_HUMAN	19751	GFQDVEAQAATCNHTVMALMASLDAEK	K	A	95.00%	81.90	38.40	5.92	0	1	2941.3	80	106		92
(Q13308) Tyrosine-protein kinase-like 7 precursor (Colon carcinoma kinase 4) (CCK-4)	PTK7_HUMAN	118243	DGTPLSDGQSNHTVSSK	R	E	95.00%	49.80	39.10	3.82	1	0	1730.8	165	181	646	175
(Q13449) Limbic system-associated membrane protein precursor (LSAMP)	LSAMP_HUMAN	37290	LGVTNASLVLFRPGSVR	K	G	95.00%	74.00	39.00	2.74	0	1	1787.0	296	312		300
(Q13510) Acid ceramidase precursor (EC 3.5.1.23) (Acylsphingosine deacylase) (N-acylsphingosine amidohydrolase) (AC) (Putative 32 kDa heart protein) (PHP32) [Contains: Acid ceramidase alpha subunit; Acid ceramidase beta subunit]	ASAH1_HUMAN	44633	TVLENSTSYEEAK	R	N	95.00%	80.40	38.70	2.18	2	0	1471.7	255	267	259	
(Q13510) Acid ceramidase precursor (EC 3.5.1.23) (Acylsphingosine deacylase) (N-acylsphingosine amidohydrolase) (AC) (Putative 32 kDa heart protein) (PHP32) [Contains: Acid ceramidase alpha subunit; Acid ceramidase beta subunit]	ASAH1_HUMAN	44633	TVLENSTSYEEAKNLLTK	R	T	95.00%	87.00	38.50	3.89	1	0	2041.0	255	272	259	
(Q13510) Acid ceramidase precursor (EC 3.5.1.23) (Acylsphingosine deacylase) (N-acylsphingosine amidohydrolase) (AC) (Putative 32 kDa heart protein) (PHP32) [Contains: Acid ceramidase alpha subunit; Acid ceramidase beta subunit]	ASAH1_HUMAN	44633	ILAPAYFILGGNQSGEGCVITR	K	D	95.00%	104.00	38.00	11.90	1	0	2337.2	275	296	286	
(Q13641) Trophoblast glycoprotein precursor (5T4 oncofetal trophoblast glycoprotein) (5T4 oncotrophoblast glycoprotein) (5T4 oncofetal antigen) (M6P1)	TPBG_HUMAN	46015	NLTEVPTDLPAYVR	R	N	95.00%	48.00	38.80	4.59	1	0	1588.8	81	94		81
(Q13641) Trophoblast glycoprotein precursor (5T4 oncofetal trophoblast glycoprotein) (5T4 oncotrophoblast glycoprotein) (5T4 oncofetal antigen) (M6P1)	TPBG_HUMAN	46015	RPPLAELAALNLSGSR	R	L	95.00%	63.70	39.10	4.49	2	0	1665.9	114	129		124
(Q13740) CD166 antigen precursor (Activated leukocyte-cell adhesion molecule) (ALCAM)	CD166_HUMAN	65116	LNLSENYTLSISNAR	R	I	95.00%	62.50	38.50	3.92	1	0	1695.9	90	104	91, 95	
(Q13740) CD166 antigen precursor (Activated leukocyte-cell adhesion molecule) (ALCAM)	CD166_HUMAN	65116	LGDCISEDSYPDGNITWYR	K	N	95.00%	98.80	38.10	3.19	2	0	2262.0	154	172	167	
(Q13740) CD166 antigen precursor (Activated leukocyte-cell adhesion molecule) (ALCAM)	CD166_HUMAN	65116	NAIKEGDNITLK	K	C	95.00%	51.10	38.90	2.62	1	0	1316.7	258	269	265	
(Q13740) CD166 antigen precursor (Activated leukocyte-cell adhesion molecule) (ALCAM)	CD166_HUMAN	65116	NATVVWMKDNIR	R	L	95.00%	54.00	39.20	3.57	1	0	1463.7	361	372		361
(Q13740) CD166 antigen precursor (Activated leukocyte-cell adhesion molecule) (ALCAM)	CD166_HUMAN	65116	IIISPEENVTLTCTAENQLER	K	T	95.00%	95.70	38.50	11.20	2	0	2431.2	473	493	480	
(Q13740) CD166 antigen precursor (Activated leukocyte-cell adhesion molecule) (ALCAM)	CD166_HUMAN	65116	TVNSLNVSAISIPEHDEADEISDENR	R	E	95.00%	66.70	38.30	5.48	0	1	2857.3	494	519	499	
(Q14126) Desmoglein-2 precursor (HDGC)	DSG2_HUMAN	122367	INATDADEPNTLNSK	K	I	95.00%	80.30	39.00	2.49	1	0	1603.7	180	194	182	

(Q14508) WAP four-disulfide core domain protein 2 precursor (Major epididymis-specific protein E4) (Epididymal secretory protein E4) (Putative protease inhibitor WAP5)	WFDC2_HUMAN	12974	TGVCPELQADQNCTQECVSDSECADNLK	K	C	95.00%	96.00	36.90	7.57	1	1	3229.3	33	60	44	
(Q14956) Transmembrane glycoprotein NMB precursor (Transmembrane glycoprotein HGFIN)	GPNMB_HUMAN	63905	VSVNTANVTLGPQLMEVTVYR	R	R	95.00%	72.70	38.00	5.89	1	0	2308.2	194	214		200
(Q15223) Poliovirus receptor-related protein 1 precursor (Herpes virus entry mediator C) (HveC) (Nectin-1) (Herpesvirus Ig-like receptor) (HIgR) (CD111 antigen)	PVRL1_HUMAN	57140	ADANPPATEYHWTTLNGSLPK	K	G	95.00%	36.50	38.50	3.72	1	0	2284.1	271	291		286
(Q15262) Receptor-type tyrosine-protein phosphatase kappa precursor (EC 3.1.3.48) (Protein tyrosine phosphatase kappa) (R-PTP-kappa)	PTPRK_HUMAN	162071	VNKGPLANPIWNVTGFTGR	R	D	95.00%	68.40	38.90	6.07	1	0	2042.1	129	147		140
(Q15262) Receptor-type tyrosine-protein phosphatase kappa precursor (EC 3.1.3.48) (Protein tyrosine phosphatase kappa) (R-PTP-kappa)	PTPRK_HUMAN	162071	GPLANPIWNVTGFTGR	K	D	95.00%	88.40	38.70	11.50	1	0	1700.9	132	147		140
(Q15262) Receptor-type tyrosine-protein phosphatase kappa precursor (EC 3.1.3.48) (Protein tyrosine phosphatase kappa) (R-PTP-kappa)	PTPRK_HUMAN	162071	LGDVEVNAGQNATFQCIATGR	R	D	95.00%	76.80	38.10	5.24	2	0	2222.1	201	221		211
(Q15262) Receptor-type tyrosine-protein phosphatase kappa precursor (EC 3.1.3.48) (Protein tyrosine phosphatase kappa) (R-PTP-kappa)	PTPRK_HUMAN	162071	IAVDWESLGYNITR	R	C	95.00%	63.80	38.50	3.54	1	0	1637.8	406	419		416
(Q5ZPR3) CD276 antigen precursor (Costimulatory molecule) (B7 homolog 3) (B7-H3) (4Ig-B7-H3)	CD276_HUMAN	57216	QLVHSFAEGQDQGSAYANR	K	T	95.00%	0.00	0.00	11.30	1	0	2061.9	74	92		91
(Q5ZPR3) CD276 antigen precursor (Costimulatory molecule) (B7 homolog 3) (B7-H3) (4Ig-B7-H3)	CD276_HUMAN	57216	TALFPDLLAQGNASLR	R	L	95.00%	105.00	39.20	7.21	2	0	1687.9	93	108		104
(Q5ZPR3) CD276 antigen precursor (Costimulatory molecule) (B7 homolog 3) (B7-H3) (4Ig-B7-H3)	CD276_HUMAN	57216	VVLGANGTYSCLVR	R	N	95.00%	90.40	38.90	6.41	1	0	1509.8	210	223		215
(Q5ZPR3) CD276 antigen precursor (Costimulatory molecule) (B7 homolog 3) (B7-H3) (4Ig-B7-H3)	CD276_HUMAN	57216	GYPEAEVFWQDGQGVPLTGNVTTSQMANEQGLFDVHSVLR	R	V	95.00%	112.00	37.50	7.57	0	2	4395.1	388	427		407
(Q6EMK4) Vasorin precursor (Protein Slit-like 2)	VASN_HUMAN	71696	LHEITNETFR	R	G	95.00%	49.20	38.80	4.09	1	0	1260.6	112	121	117	
(Q6EMK4) Vasorin precursor (Protein Slit-like 2)	VASN_HUMAN	71696	LPASLAEYTVTQLRPNATYSVCVMPLGPGR	R	V	95.00%	103.00	38.50	11.10	0	2	3278.7	513	542		528
(Q8IWA5) Choline transporter-like protein 2 (Solute carrier family 44 member 2)	CTL2_HUMAN	80138	KNITDLVEGAK	R	K	95.00%	55.30	38.90	2.42	2	0	1188.6	199	209		200
(Q8IWA5) Choline transporter-like protein 2 (Solute carrier family 44 member 2)	CTL2_HUMAN	80138	TCNPETFPSSNESR	K	Q	95.00%	83.10	38.70	6.00	1	0	1626.7	407	420		417
(Q8IZP9) G-protein coupled receptor 64 precursor (Epididymis-specific protein 6) (He6 receptor)	GPR64_HUMAN	111476	TFNASGVKPQR	K	N	95.00%	43.80	38.90	2.21	1	0	1205.6	97	107		99
(Q8IZP9) G-protein coupled receptor 64 precursor (Epididymis-specific protein 6) (He6 receptor)	GPR64_HUMAN	111476	NICNLSSICNDSAFFR	R	G	95.00%	89.60	38.50	6.82	1	0	1919.8	108	123		111, 117
(Q8NBJ4) Golgi phosphoprotein 2 (Golgi membrane protein GP73)	GP73_HUMAN	45315	AVLVNNITTGER	K	L	95.00%	57.50	38.80	6.51	1	0	1288.7	104	115	109	
(Q8NCC3) 1-O-acylceramide synthase precursor (EC 2.3.1.-) (ACS) (Lysosomal phospholipase A2) (Lysophospholipase 3) (LPLA2) (LCAT-like lysophospholipase) (LLPL)	LYPA3_HUMAN	46641	SAVSTSWLLPYNYTWSPEK	R	V	95.00%	45.70	38.20	9.42	2	0	2230.1	262	280		273
(Q8NCC3) 1-O-acylceramide synthase precursor (EC 2.3.1.-) (ACS) (Lysosomal phospholipase A2) (Lysophospholipase 3) (LPLA2) (LCAT-like lysophospholipase) (LLPL)	LYPA3_HUMAN	46641	VFVQTPTINYTLR	K	D	95.00%	56.20	39.00	4.70	2	0	1552.8	281	293		289
(Q8WUT4) Protein C20orf75 precursor	CT075_HUMAN	78826	AFACFPALQLLNLSCTALGR	R	G	95.00%	86.90	38.40	9.92	2	0	2224.1	165	184		176
(Q92485) Acid sphingomyelinase-like phosphodiesterase 3b precursor (EC 3.1.4.-) (ASM-like phosphodiesterase 3b)	ASM3B_HUMAN	50796	DMVTYFMNLSQANAQGTPR	K	W	95.00%	97.20	38.80	9.42	1	0	2177.0	336	354		343
(Q92823) Neuronal cell adhesion molecule precursor (Nr-CAM) (NgCAM-related cell adhesion molecule) (Ng-CAM-related) (hBravo)	NRCAM_HUMAN	143877	VNVVNSTLAEVHWDPVPLK	R	S	95.00%	75.40	38.30	7.01	2	0	2118.1	854	872		858
(Q92876) Kallikrein-6 precursor (EC 3.4.21.-) (Protease M) (Neurosin) (Zyme) (SP59)	KLK6_HUMAN	26838	DCSANTTSCHILGWGK	R	T	95.00%	72.20	39.00	8.06	1	0	1807.8	130	145		134
(Q92896) Golgi apparatus protein 1 precursor (Golgi sialoglycoprotein MG-160) (E-selectin ligand 1) (ESL-1) (Cysteine-rich fibroblast growth factor receptor) (CFR-1)	GSLG1_HUMAN	134577	GNITEYQCHQYITK	R	M	95.00%	65.30	38.80	1.47	1	0	1755.8	209	222		210
(Q969P0) Immunoglobulin superfamily member 8 precursor (CD81 partner 3) (Glu-Trp-Ile EWI motif containing protein 2) (EWI-2) (Keratinocytes-associated transmembrane protein 4) (KCT-4) (LIR-D1) (CD316 antigen)	IGSF8_HUMAN	65015	IGPGEPLELLCNVSGALPPAGR	R	H	95.00%	58.80	38.50	6.49	1	0	2218.2	316	337		327
(Q96AY3) FK506-binding protein 10 precursor (EC 5.2.1.8) (Peptidyl-prolyl cis-trans isomerase) (PPIase) (Rotamase) (65 kDa FK506-binding protein) (FKBP65) (Immunophilin FKBP65)	FKB10_HUMAN	64228	YHYNGTFEDGK	R	K	95.00%	44.10	39.20	3.68	1	0	1331.6	67	77		70
(Q96AY3) FK506-binding protein 10 precursor (EC 5.2.1.8) (Peptidyl-prolyl cis-trans isomerase) (PPIase) (Rotamase) (65 kDa FK506-binding protein) (FKBP65) (Immunophilin FKBP65)	FKB10_HUMAN	64228	YHYNGTLLDGTSFDTSYSK	R	G	95.00%	112.00	38.80	8.70	1	1	2170.0	179	197	182	
(Q96AY3) FK506-binding protein 10 precursor (EC 5.2.1.8) (Peptidyl-prolyl cis-trans isomerase) (PPIase) (Rotamase) (65 kDa FK506-binding protein) (FKBP65) (Immunophilin FKBP65)	FKB10_HUMAN	64228	TLSRPSETCNETTK	R	L	95.00%	47.50	38.70	4.04	2	0	1624.7	384	397		393
(Q96AY3) FK506-binding protein 10 precursor (EC 5.2.1.8) (Peptidyl-prolyl cis-trans isomerase) (PPIase) (Rotamase) (65 kDa FK506-binding protein) (FKBP65) (Immunophilin FKBP65)	FKB10_HUMAN	64228	YHYNCSLLDGTQLFTSHDYGAPQEATLGANK	R	V	95.00%	63.50	38.50	8.06	0	1	3473.6	404	434	407	

(Q96HE7) ERO1-like protein alpha precursor (EC 1.8.4.-) (ERO1-Lalpha) (Oxidoreductin-1-Lalpha) (Endoplasmic oxidoreductin-1-like protein) (ERO1-L)	ERO1A_HUMAN	54377	WGHNITEFQQR	K	F	95.00%	50.00	38.70	4.06	1	0	1416.7	277	287		280
(Q99519) Sialidase-1 precursor (EC 3.2.1.18) (Lysosomal sialidase) (N-acetyl-alpha-neuraminidase 1) (Acetylneuraminyl hydrolase) (G9 sialidase)	NEUR1_HUMAN	45449	NLSLDIGTEVFAPGPGSGIQK	R	Q	95.00%	53.80	38.60	3.85	1	0	2101.1	186	206		186
(Q99519) Sialidase-1 precursor (EC 3.2.1.18) (Lysosomal sialidase) (N-acetyl-alpha-neuraminidase 1) (Acetylneuraminyl hydrolase) (G9 sialidase)	NEUR1_HUMAN	45449	WSFSNGTSWR	R	K	95.00%	56.70	39.20	1.85	1	0	1228.5	348	357		352
(Q99538) Legumain precursor (EC 3.4.22.34) (Asparaginyl endopeptidase) (Protease, cysteine 1)	LGMN_HUMAN	49393	DLNETIHYMYK	K	H	95.00%	60.70	38.80	2.00	1	0	1427.7	165	175		167
(Q99715) Collagen alpha-1(XII) chain precursor	COCA1_HUMAN	333174	EAGNITTDGYEILGK	K	L	95.00%	54.40	39.20	3.57	1	0	1581.8	2676	2690		2679
(Q9H3G5) Probable serine carboxypeptidase CPVL precursor (EC 3.4.16.-) (Carboxypeptidase, vitellogenic-like) (Vitellogenic carboxypeptidase-like protein) (VCP-like protein) (HVLP)	CPVL_HUMAN	54148	SYAGFLTVNK	K	T	95.00%	63.20	39.40	1.82	1	0	1100.6	73	82		81
(Q9H3G5) Probable serine carboxypeptidase CPVL precursor (EC 3.4.16.-) (Carboxypeptidase, vitellogenic-like) (Vitellogenic carboxypeptidase-like protein) (VCP-like protein) (HVLP)	CPVL_HUMAN	54148	QAIHVGNQTFNDGTIVEK	R	Y	95.00%	0.00	0.00	9.59	2	0	1955.0	340	357		346
(Q9H5V8) CUB domain-containing protein 1 precursor (Transmembrane and associated with src kinases) (Membrane glycoprotein gp140) (Subtractive immunization M plus HEp3 associated 135 kDa protein) (SIMA135) (CD318 antigen)	CDCP1_HUMAN	92858	IGTFCSNGTVSR	R	I	95.00%	67.10	39.10	1.55	1	0	1299.6	174	185		180
(Q9HAT2) Sialate O-acetylesterase precursor (EC 3.1.1.53) (Sialic acid-specific 9-O-acetylesterase) (H-Lse)	SIAE_HUMAN	58297	ALAYGEKNLTFEGPLPEK	R	I	95.00%	95.10	38.30	5.57	1	0	1978.0	394	411		401
(Q9P2B2) Prostaglandin F2 receptor negative regulator precursor (Prostaglandin F2-alpha receptor regulatory protein) (Prostaglandin F2-alpha receptor-associated protein) (CD9 partner 1) (CD9P-1) (CD315 antigen)	FPRP_HUMAN	98538	AAVPKNVSVAEGK	R	E	95.00%	40.90	38.70	1.05	1	0	1270.7	281	293		286
(Q9P2B2) Prostaglandin F2 receptor negative regulator precursor (Prostaglandin F2-alpha receptor regulatory protein) (Prostaglandin F2-alpha receptor-associated protein) (CD9 partner 1) (CD9P-1) (CD315 antigen)	FPRP_HUMAN	98538	ELDLTCNITTDR	K	A	95.00%	49.80	39.10	1.85	1	0	1451.7	294	305		300
(Q9P2B2) Prostaglandin F2 receptor negative regulator precursor (Prostaglandin F2-alpha receptor regulatory protein) (Prostaglandin F2-alpha receptor-associated protein) (CD9 partner 1) (CD9P-1) (CD315 antigen)	FPRP_HUMAN	98538	LENWTDASR	K	V	95.00%	44.90	38.60	4.08	1	0	1092.5	616	624		618
(Q9P2B2) Prostaglandin F2 receptor negative regulator precursor (Prostaglandin F2-alpha receptor regulatory protein) (Prostaglandin F2-alpha receptor-associated protein) (CD9 partner 1) (CD9P-1) (CD315 antigen)	FPRP_HUMAN	98538	EAATSLSNPIEIDFQTSGPIFNASVHSDTPSVIR	R	G	95.00%	113.00	38.40	4.74	0	1	3602.8	670	703		691
(Q9UBG0) Macrophage mannose receptor 2 precursor (Urokinase receptor-associated protein) (Endocytic receptor 180) (CD280 antigen)	MRC2_HUMAN	166637	VTPACNTSLPAQR	R	W	95.00%	80.20	39.10	4.10	2	0	1415.7	64	76		69
(Q9UBG0) Macrophage mannose receptor 2 precursor (Urokinase receptor-associated protein) (Endocytic receptor 180) (CD280 antigen)	MRC2_HUMAN	166637	TSNISKPGTLER	R	G	95.00%	53.20	38.70	4.47	2	0	1303.7	138	149		140
(Q9UBG0) Macrophage mannose receptor 2 precursor (Urokinase receptor-associated protein) (Endocytic receptor 180) (CD280 antigen)	MRC2_HUMAN	166637	WNDSPCNQSLPSICK	R	K	95.00%	64.30	38.60	5.05	1	0	1806.8	491	505		497
(Q9UBG0) Macrophage mannose receptor 2 precursor (Urokinase receptor-associated protein) (Endocytic receptor 180) (CD280 antigen)	MRC2_HUMAN	166637	GGCVALATGSAMGLWEVKNCTSFR	R	A	94.40%	0.00	0.00	3.04	0	1	2589.2	616	639		634
(Q9UBG0) Macrophage mannose receptor 2 precursor (Urokinase receptor-associated protein) (Endocytic receptor 180) (CD280 antigen)	MRC2_HUMAN	166637	GTDPSLSPSPAALPPAPGTELSYLNGTFR	K	L	95.00%	66.50	37.20	4.64	1	0	2914.4	1110	1138		1134
(Q9UHG3) Prenylcysteine oxidase precursor (EC 1.8.3.5) (PCL1)	PCYOX_HUMAN	56595	LLHALGGDDFLGMLNR	K	T	95.00%	58.50	39.20	7.06	1	0	1758.9	182	197	196	
(Q9UHG3) Prenylcysteine oxidase precursor (EC 1.8.3.5) (PCL1)	PCYOX_HUMAN	56595	GELNTSIFSSRPIDK	K	F	95.00%	62.40	39.10	2.39	2	0	1664.8	350	364	353	
(Q9UHL4) Dipeptidyl-peptidase 2 precursor (EC 3.4.14.2) (Dipeptidyl-peptidase II) (DPP II) (Dipeptidyl aminopeptidase II) (Quiescent cell proline dipeptidase) (Dipeptidyl peptidase 7)	DPP2_HUMAN	54311	FGNKTFPQR	R	F	95.00%	39.00	38.70	0.66	1	0	1095.6	48	56		50
(Q9UHL4) Dipeptidyl-peptidase 2 precursor (EC 3.4.14.2) (Dipeptidyl-peptidase II) (DPP II) (Dipeptidyl aminopeptidase II) (Quiescent cell proline dipeptidase) (Dipeptidyl peptidase 7)	DPP2_HUMAN	54311	ALAGLVYNASGSEHCYDIYR	R	L	95.00%	147.00	38.80	7.29	1	0	2260.0	308	327		315
(Q9UHL4) Dipeptidyl-peptidase 2 precursor (EC 3.4.14.2) (Dipeptidyl-peptidase II) (DPP II) (Dipeptidyl aminopeptidase II) (Quiescent cell proline dipeptidase) (Dipeptidyl peptidase 7)	DPP2_HUMAN	54311	RNLSASVIAVTIQGGAHHLDLR	R	A	95.00%	61.90	38.60	6.77	0	1	2329.3	427	448		428

(Q9UHX3) EGF-like module-containing mucin-like hormone receptor-like 2 precursor (EGF-like module EMR2) (CD312 antigen)	EMR2_HUMAN	90454	WCPQDSSCVNATACR	R	C	95.00%	61.00	39.10	5.74	1	0	1812.7	32	46		41
(Q9UMF0) Intercellular adhesion molecule 5 precursor (ICAM-5) (Telencephalin)	ICAM5_HUMAN	97311	VELMPLPPWQPVGENFTLSCR	R	V	95.00%	44.10	38.30	5.14	1	0	2487.2	123	143		137
(Q9UMF0) Intercellular adhesion molecule 5 precursor (ICAM-5) (Telencephalin)	ICAM5_HUMAN	97311	FEEPSCPSNWTWVEGSGR	R	L	95.00%	73.50	38.40	4.54	2	0	2125.9	575	592		583
(Q9UMF0) Intercellular adhesion molecule 5 precursor (ICAM-5) (Telencephalin)	ICAM5_HUMAN	97311	VLAPGIYVCNATNR	R	H	95.00%	85.30	38.70	4.51	1	0	1548.8	637	650		646
(Q9UMR5) Palmitoyl-protein thioesterase 2 precursor (EC 3.1.2.22) (Palmitoyl-protein hydrolase 2) (PPT-2) (G14)	PPT2_HUMAN	34291	HLLEYINETHPGTVVTVLDLFDGR	R	E	95.00%	65.50	38.90	7.80	0	1	2739.4	54	77		60
(Q9UMR5) Palmitoyl-protein thioesterase 2 precursor (EC 3.1.2.22) (Palmitoyl-protein hydrolase 2) (PPT-2) (G14)	PPT2_HUMAN	34291	DHPNATVWR	R	K	95.00%	0.00	0.00	4.19	1	0	1096.5	203	211		206
(Q9UMR5) Palmitoyl-protein thioesterase 2 precursor (EC 3.1.2.22) (Palmitoyl-protein hydrolase 2) (PPT-2) (G14)	PPT2_HUMAN	34291	CPMAGISHTAWHSNR	R	T	95.00%	53.50	38.70	2.46	0	1	1725.8	276	290		289
(Q9UNW1) Multiple inositol polyphosphate phosphatase 1 precursor (EC 3.1.3.62) (Inositol (1,3,4,5)-tetrakiphosphate 3-phosphatase) (Ins(1,3,4,5)P(4) 3-phosphatase)	MINP1_HUMAN	55035	FLTEVEKNATALYHVEAFK	K	T	95.00%	71.00	38.70	5.85	0	2	2211.1	235	253	242	
(Q9Y2E5) Epididymis-specific alpha-mannosidase precursor (EC 3.2.1.24) (Mannosidase alpha class 2B member 2)	MA2B2_HUMAN	113870	QEIFTHIMDQYSYCTPSHIPFSNR	R	S	95.00%	0.00	0.00	4.54	0	1	2971.3	204	227		226
(Q9Y2E5) Epididymis-specific alpha-mannosidase precursor (EC 3.2.1.24) (Mannosidase alpha class 2B member 2)	MA2B2_HUMAN	113870	ALHALNVTWR	R	V	95.00%	39.20	38.80	5.35	2	0	1181.6	331	340		336
(Q9Y2E5) Epididymis-specific alpha-mannosidase precursor (EC 3.2.1.24) (Mannosidase alpha class 2B member 2)	MA2B2_HUMAN	113870	NMTAQNYTYAIR	R	S	95.00%	87.20	38.90	5.66	2	0	1463.6	670	681		675
(Q9Y2E5) Epididymis-specific alpha-mannosidase precursor (EC 3.2.1.24) (Mannosidase alpha class 2B member 2)	MA2B2_HUMAN	113870	RPYVSYVNNSIAR	R	N	95.00%	64.90	38.70	4.17	2	0	1539.8	741	753		748
(Q9Y4L1) 150 kDa oxygen-regulated protein precursor (Orp150) (Hypoxia up-regulated 1)	OXRP_HUMAN	111319	VFGSQNLTTVK	R	L	95.00%	83.50	39.30	3.36	2	0	1194.6	510	520	515	
(Q9Y4L1) 150 kDa oxygen-regulated protein precursor (Orp150) (Hypoxia up-regulated 1)	OXRP_HUMAN	111319	LSALDNLLNHSSMFLK	R	G	95.00%	52.90	38.70	8.20	2	1	1819.9	822	837	830	
(Q9Y4L1) 150 kDa oxygen-regulated protein precursor (Orp150) (Hypoxia up-regulated 1)	OXRP_HUMAN	111319	VINETWAWK	K	N	95.00%	69.50	39.40	1.12	2	0	1147.6	860	868	862	
(Q9Y4L1) 150 kDa oxygen-regulated protein precursor (Orp150) (Hypoxia up-regulated 1)	OXRP_HUMAN	111319	VINETWAWKNATLAEQAK	K	L	95.00%	101.00	38.90	8.13	1	1	2075.0	860	877	862, 869	
(Q9Y4L1) 150 kDa oxygen-regulated protein precursor (Orp150) (Hypoxia up-regulated 1)	OXRP_HUMAN	111319	DKNGTRAEPPLNASASDQGEK	K	V	95.00%	66.90	38.60	4.04	1	0	2187.0	920	940	931	922
(Q9Y4L1) 150 kDa oxygen-regulated protein precursor (Orp150) (Hypoxia up-regulated 1)	OXRP_HUMAN	111319	AEPPLNASASDQGEK	R	V	95.00%	75.30	38.70	7.46	5	0	1514.7	926	940	931	922
(Q9Y5Y6) Suppressor of tumorigenicity protein 14 (EC 3.4.21.-) (Serine protease 14) (Matriptase) (Membrane-type serine protease 1) (MT-SP1) (Prostamin) (Serine protease TADG-15) (Tumor-associated differentially-expressed gene 15 protein)	ST14_HUMAN	94751	VINQTTCENLLPQQITPR	R	M	95.00%	52.90	38.70	4.62	1	0	2126.1	770	787		772
(Q9Y653) G-protein coupled receptor 56 precursor (TM7XN1 protein)	GPR56_HUMAN	77721	VANLTEPVVLTFQHQLQPK	K	N	95.00%	58.50	38.60	5.41	1	0	2163.2	322	340		324

GlycoPeptide Identified in ARO Cell Line

Experiment: ARO-p65-p67-PNGF-072208

Peak List Generator Version: BioWorks 3.3.1
Charge States Calculated: yes
Database Set: Database Name: the Sprot_060206 database
Version: 06/26/06
Taxonomy: Homo sapiens
Number of Proteins: 14164
Search Engine Set: 2 Search Engines
Search Engine: Mascot; Version: 2.1.03
Fragment Tolerance: 0.80 Da (Monoisotopic)
Parent Tolerance: 1.6 Da (Monoisotopic)
Fixed Modifications: +57 on C (Carbamidomethyl)
Variable Modifications: +1 on N (Deamidation), +16 on M (Oxidation)
Database: the Sprot_060206 database (selected for Homo sapiens, unknown version, 14164 entries)
Digestion Enzyme: Trypsin; Max Missed Cleavages: 2
Search Engine: X! Tandem; Version: 2007.01.01.1
Fragment Tolerance: 0.100 Da (Monoisotopic)
Parent Tolerance: 1.6 Da (Monoisotopic)
Fixed Modifications: +57 on C (Carbamidomethyl)
Variable Modifications: +1 on N (Deamidation), +16 on M (Oxidation)
Database: a subset of the uniprot_sprot_060206-oval database
Digestion Enzyme: Trypsin; Max Missed Cleavages: 2
Scaffold Version: Scaffold-2_00_00_final

Protein name	Swiss-Prot Accession Name	Protein molecular weight (Da)	Peptide sequence	Previous amino acid	Next amino acid	Best Peptide identification probability	Best Mascot Ion score	Best Mascot Identity score	Best X! Tandem - log(e) score	Number of identified +2H spectra	Number of identified +3H spectra	Calculated +1H Peptide Mass (AMU)	Peptide start index	Peptide stop index	N-linked Site	Potential N-linked site
(O00115) Deoxyribonuclease-2-alpha precursor (EC 3.1.22.1) (Deoxyribonuclease II alpha) (DNase II alpha) (Acid DNase) (Lysosomal DNase II) (R31240_2)	DNS2A_HUMAN	39563	GHHVSQEPWNSSITLTSQAGAVFQSFAK	K	F	95%	61.0	38.8	3.64	0	1	3015.46	203	230	212	
(O00462) Beta-mannosidase precursor (EC 3.2.1.25) (Lysosomal beta A mannosidase) (Mannanase) (Mannase)	MANBA_HUMAN	100879	WVSLDNWTYSK	R	E	95%	66.1	38.7	4.92	2	0	1399.65	72	82		77
(O00468) Agrin precursor	AGRN_HUMAN	214863	NELMLNSSLMR	K	I	95%	71.9	38.6	5.44	2	0	1340.62	130	140		135
(O00468) Agrin precursor	AGRN_HUMAN	214863	DPCSNVTCSFGSTCAR	R	S	95%	92.0	38.9	9.49	1	0	1819.71	246	261		250
(O00468) Agrin precursor	AGRN_HUMAN	214863	GPTFAPLPPVAPLHCAQTPYGCCQDNITAAR	R	G	95%	70.3	38.7	6.85	0	2	3381.58	752	782		777
(O00592) Podocalyxin-like protein 1 precursor	PODXL_HUMAN	55578	QLVLNLTGNTLCAGGASDEK	K	L	95%	69.1	38.8	4.28	1	0	2062.01	326	345		330
(O00754) Lysosomal alpha-mannosidase precursor (EC 3.2.1.24) (Mannosidase, alpha B) (Lysosomal acid alpha-mannosidase) (Laman) (Mannosidase alpha class 2B member 1) [Contains: Lysosomal alpha-mannosidase A peptide; Lysosomal alpha-mannosidase	MA2B1_HUMAN	113656	TPLVQEVHQNFSAWCSQVVR	K	L	95%	56.3	38.9	4.42	0	1	2386.16	682	701		692
(O00754) Lysosomal alpha-mannosidase precursor (EC 3.2.1.24) (Mannosidase, alpha B) (Lysosomal acid alpha-mannosidase) (Laman) (Mannosidase alpha class 2B member 1) [Contains: Lysosomal alpha-mannosidase A peptide; Lysosomal alpha-mannosidase	MA2B1_HUMAN	113656	LNQTEPVAGNYYPVNTR	K	I	95%	55.3	38.6	3.54	1	0	1937.92	764	780		766
(O14672) ADAM 10 precursor (EC 3.4.24.81) (A disintegrin and metalloproteinase domain 10) (Mammalian disintegrin-metalloprotease) (Kuzbanian protein homolog) (CDw156c antigen)	ADA10_HUMAN	84125	INTTADEKDPTNPFR	R	F	95%	82.2	38.5	4.96	1	1	1719.82	277	291	278	
(O14672) ADAM 10 precursor (EC 3.4.24.81) (A disintegrin and metalloproteinase domain 10) (Mammalian disintegrin-metalloprotease) (Kuzbanian protein homolog) (CDw156c antigen)	ADA10_HUMAN	84125	EGICNGFTALCPASDPKPNFTDCNR	R	H	95%	66.6	39.0	4.00	0	1	2843.21	533	557		551
(O14773) Tripeptidyl-peptidase 1 precursor (EC 3.4.14.9) (Tripeptidyl-peptidase I) (TPP-I) (Tripeptidyl aminopeptidase) (Lysosomal pepstatin insensitive protease) (LPIC) (Growth-inhibiting gene 1 protein)	TPP1_HUMAN	61230	FLSSSPHLPPSSYFNASGR	K	A	95%	85.2	38.2	7.37	3	0	2051.98	429	447	443	
(O15031) Plexin-B2 precursor (MM1)	PLXB2_HUMAN	205081	GGLNLTAVTVAAENNHTVAFLGTSDGR	R	I	95%	64.5	37.7	8.01	1	0	2688.31	388	414		391, 402
(O15031) Plexin-B2 precursor (MM1)	PLXB2_HUMAN	205081	SCVAVTSAQPQNMSR	K	R	95%	102.0	38.6	6.31	2	0	1652.74	517	531		528
(O15031) Plexin-B2 precursor (MM1)	PLXB2_HUMAN	205081	LHVTLYNCSFGR	K	S	95%	33.3	39.0	4.30	1	0	1467.71	753	764		759
(O15031) Plexin-B2 precursor (MM1)	PLXB2_HUMAN	205081	SINVTGQGFSLIQR	R	F	95%	96.6	38.7	5.77	2	0	1520.81	1000	1013		1002
(O15031) Plexin-B2 precursor (MM1)	PLXB2_HUMAN	205081	EAESLQPMTVVGTDYVFHNDTK	R	V	95%	40.0	37.8	2.43	1	0	2498.14	1031	1052		1049
(O15031) Plexin-B2 precursor (MM1)	PLXB2_HUMAN	205081	TEAGAFEYVPDPTFENFTGGVK	R	K	95%	0.0	0.0	5.68	1	0	2377.09	1084	1105		1099
(O43490) Prominin-1 precursor (Prominin-like protein 1) (Antigen AC133) (CD133 antigen)	PROM1_HUMAN	97188	EALENMNSTLK	K	S	79%	39.0	38.7	0.00	1	0	1250.59	268	278		274
(O43490) Prominin-1 precursor (Prominin-like protein 1) (Antigen AC133) (CD133 antigen)	PROM1_HUMAN	97188	VLNSIGSDIDNVTQR	R	L	95%	84.8	39.0	5.55	1	0	1632.81	385	399		395
(O60635) Tetraspanin-1 (Tspan-1) (Tetraspan NET-1) (Tetraspanin TM4-C)	TSN1_HUMAN	26283	DYGSQEDFTQVWNTTMK	K	G	95%	83.2	38.6	7.27	2	0	2050.87	129	145		141
(O60637) Tetraspanin-3 (Tspan-3) (Transmembrane 4 superfamily member 8) (Tetraspanin TM4-A)	TSN3_HUMAN	28000	QLHCCGIHNYSDWENTDWFK	R	E	95%	0.0	0.0	4.96	0	2	2593.07	144	163		152
(O60637) Tetraspanin-3 (Tspan-3) (Transmembrane 4 superfamily member 8) (Tetraspanin TM4-A)	TSN3_HUMAN	28000	NQSVPLSCCR	K	E	95%	28.8	39.4	3.68	1	0	1221.54	167	176		167

(O75503) Ceroid-lipofuscinosis neuronal protein 5 (Protein CLN5)	CLN5_HUMAN	46323	QDNETGIYYETWNVK	K	A	95%	62.5	39.2	7.18	2	0	1860.83	201	213		203
(O75503) Ceroid-lipofuscinosis neuronal protein 5 (Protein CLN5)	CLN5_HUMAN	46323	IFLYSGEPTYLGNETSVFGPTGNK	R	T	95%	96.2	38.3	10.00	1	0	2593.24	259	282		271, 281
(O75882) Attractin precursor (Mahogany homolog) (DPPT-L)	ATRN_HUMAN	158518	IDSTGNVTNELR	K	V	95%	92.9	38.8	4.66	2	0	1319.64	411	422	416	
(O75976) Carboxypeptidase D precursor (EC 3.4.17.22) (Metallocarboxypeptidase D) (gp180)	CBPD_HUMAN	152899	LLNTTDVYLLPSLNPDGFER	R	A	95%	53.2	38.1	5.29	2	0	2278.16	170	189	172	
(O75976) Carboxypeptidase D precursor (EC 3.4.17.22) (Metallocarboxypeptidase D) (gp180)	CBPD_HUMAN	152899	FANEYPNITR	R	L	95%	49.9	38.9	1.80	1	0	1225.59	516	525		522
(O95858) Tetraspanin-15 (Tspan-15) (Transmembrane 4 superfamily member 15) (Tetraspan NET-7)	TSN15_HUMAN	33148	NTTEVVNTMCGYK	R	T	95%	62.0	39.1	2.00	1	0	1533.66	189	201		189
(P01009) Alpha-1-antitrypsin precursor (Alpha-1 protease inhibitor) (Alpha-1-antiproteinase)	A1AT_HUMAN	46720	ADTHDEILEGLNFNLTEIPEAQIHEGFQELLR	K	T	95%	105.0	37.8	8.19	0	1	3692.81	94	125	107	
(P01009) Alpha-1-antitrypsin precursor (Alpha-1 protease inhibitor) (Alpha-1-antiproteinase)	A1AT_HUMAN	46720	YLGNATAIFFLPDEGK	K	L	95%	104.0	39.0	10.80	1	0	1756.88	268	283	271	
(P01033) Metalloproteinase inhibitor 1 precursor (TIMP-1) (Erythroid potentiating activity) (EPA) (Tissue inhibitor of metalloproteinases) (Fibroblast collagenase inhibitor) (Collagenase inhibitor)	TIMP1_HUMAN	23153	FVGTPEVNQTTLYQR	K	Y	95%	99.8	38.4	10.30	2	0	1753.88	46	60	53	
(P01137) Transforming growth factor beta-1 precursor (TGF-beta-1) [Contains: Latency-associated peptide (LAP)]	TGFB1_HUMAN	44324	LASPPSQGEVPPGPLPEAVLALYNSTR	R	D	95%	67.9	37.8	4.89	1	0	2761.44	59	85	53	
(P01137) Transforming growth factor beta-1 precursor (TGF-beta-1) [Contains: Latency-associated peptide (LAP)]	TGFB1_HUMAN	44324	QSTHSIYMFFNTSELR	K	E	95%	0.0	0.0	4.72	1	0	1944.88	126	141		136
(P02790) Hemopexin precursor (Beta-1B-glycoprotein)	HEMO_HUMAN	51659	SWPAVGNCSSALR	R	W	95%	96.0	39.5	7.12	1	0	1405.65	181	193	187	
(P04062) Glucosylceramidase precursor (EC 3.2.1.45) (Beta-glucocerebrosidase) (Acid beta-glucosidase) (D-glucosyl-N-acylsphingosine glucohydrolase) (Alglucerase) (Imiglucerase)	GLCM_HUMAN	59700	MELSMGPIQANHTGTGLLLTLQPEQK	R	F	95%	70.6	38.0	6.96	1	2	2824.42	88	113	98	
(P04062) Glucosylceramidase precursor (EC 3.2.1.45) (Beta-glucocerebrosidase) (Acid beta-glucosidase) (D-glucosyl-N-acylsphingosine glucohydrolase) (Alglucerase) (Imiglucerase)	GLCM_HUMAN	59700	TYTYADTPDDFQLHNFSLPEEDTK	R	L	95%	89.4	37.6	4.36	1	1	2848.25	171	194	185	
(P04062) Glucosylceramidase precursor (EC 3.2.1.45) (Beta-glucocerebrosidase) (Acid beta-glucosidase) (D-glucosyl-N-acylsphingosine glucohydrolase) (Alglucerase) (Imiglucerase)	GLCM_HUMAN	59700	DLGPTLANSTHHNVR	R	L	95%	72.3	38.6	4.54	2	1	1632.81	302	316	309	
(P05026) Sodium/potassium-transporting ATPase subunit beta-1 (Sodium/potassium-dependent ATPase beta-1 subunit)	AT1B1_HUMAN	35045	FKLEWLGNCSGLNDETYGYK	R	E	95%	73.1	38.3	9.60	1	0	2396.08	151	170	158	
(P05026) Sodium/potassium-transporting ATPase subunit beta-1 (Sodium/potassium-dependent ATPase beta-1 subunit)	AT1B1_HUMAN	35045	YLQPLLAVQFTNLTMDTEIR	K	I	95%	116.0	38.6	11.10	1	0	2383.22	254	273	265	
(P05362) Intercellular adhesion molecule 1 precursor (ICAM-1) (Major group rhinovirus receptor) (CD54 antigen)	ICAM1_HUMAN	57807	ANLTVVLLR	R	G	95%	76.2	38.8	1.41	1	0	999.62	144	152	145	
(P05362) Intercellular adhesion molecule 1 precursor (ICAM-1) (Major group rhinovirus receptor) (CD54 antigen)	ICAM1_HUMAN	57807	LNPTVTYGNDSFSAK	R	A	95%	78.6	39.0	1.02	2	0	1614.77	259	273		267
(P05556) Integrin beta-1 precursor (Fibronectin receptor beta subunit) (Integrin VLA-4 beta subunit) (CD29 antigen)	ITB1_HUMAN	88447	SCGECIQAGPNCGWCTNSTFLQEGMPTSAR	K	C	95%	60.3	38.7	8.85	1	2	3393.37	34	63		50
(P05556) Integrin beta-1 precursor (Fibronectin receptor beta subunit) (Integrin VLA-4 beta subunit) (CD29 antigen)	ITB1_HUMAN	88447	CHEGNGTFECGACR	K	C	95%	0.0	0.0	12.50	1	0	1638.57	477	490		481
(P05556) Integrin beta-1 precursor (Fibronectin receptor beta subunit) (Integrin VLA-4 beta subunit) (CD29 antigen)	ITB1_HUMAN	88447	ENSSEICSNNGECVCGQCVCR	K	K	95%	111.0	38.1	5.92	1	0	2520.92	519	539		520
(P05556) Integrin beta-1 precursor (Fibronectin receptor beta subunit) (Integrin VLA-4 beta subunit) (CD29 antigen)	ITB1_HUMAN	88447	KDTCTQECSYFNITK	K	V	95%	96.2	38.8	8.01	2	1	1895.82	658	672		669
(P06756) Integrin alpha-V precursor (Vitronectin receptor alpha subunit) (CD51 antigen) [Contains: Integrin alpha-V heavy chain; Integrin alpha-V light chain]	ITAV_HUMAN	116037	ANTTQPGIVEGGQVLK	K	C	95%	63.7	39.0	2.80	2	0	1612.85	73	88		74
(P06756) Integrin alpha-V precursor (Vitronectin receptor alpha subunit) (CD51 antigen) [Contains: Integrin alpha-V heavy chain; Integrin alpha-V light chain]	ITAV_HUMAN	116037	TAADTTGLQPILNQFTPANISR	R	Q	95%	126.0	38.8	7.82	2	0	2330.20	597	618	615	
(P06756) Integrin alpha-V precursor (Vitronectin receptor alpha subunit) (CD51 antigen) [Contains: Integrin alpha-V heavy chain; Integrin alpha-V light chain]	ITAV_HUMAN	116037	ISSLQTTEKNDTVAGQGER	K	D	95%	119.0	38.7	7.10	1	1	2034.99	865	883		874
(P06865) Beta-hexosaminidase alpha chain precursor (EC 3.2.1.52) (N-acetyl-beta-glucosaminidase) (Beta-N-acetylhexosaminidase) (Hexosaminidase A)	HEXA_HUMAN	60672	SAEGTFFINK	K	T	95%	64.0	39.4	3.74	2	0	1114.54	149	158	157	
(P06865) Beta-hexosaminidase alpha chain precursor (EC 3.2.1.52) (N-acetyl-beta-glucosaminidase) (Beta-N-acetylhexosaminidase) (Hexosaminidase A)	HEXA_HUMAN	60672	SAEGTFFINKTEIEDFPR	K	F	95%	80.9	38.7	8.34	1	0	2102.01	149	166	157	
(P07339) Cathepsin D precursor (EC 3.4.23.5) [Contains: Cathepsin D light chain; Cathepsin D heavy chain]	CATD_HUMAN	44535	YYKGSLSYLNVTR	K	K	95%	69.5	38.9	4.96	2	0	1564.80	254	266	263	

(P07339) Cathepsin D precursor (EC 3.4.23.5) [Contains: Cathepsin D light chain; Cathepsin D heavy chain]	CATD_HUMAN	44535	GSLSYLNVTR	K	K	95%	87.4	38.5	2.15	3	0	1110.58	257	266	263	
(P07602) Proactivator polypeptide precursor [Contains: Saposin A (Protein A); Saposin B-Val; Saposin B (Sphingolipid activator protein 1) (SAP-1) (Cerebroside sulfate activator) (CSAct) (Dispersin) (Sulfatide/GM1 activator); Saposin C (Co-beta-	SAP_HUMAN	58094	DVVTAAGDMLKDNATEEEILVYLEK	K	T	95%	101.0	37.9	8.05	5	0	2767.36	68	92	80	
(P07602) Proactivator polypeptide precursor [Contains: Saposin A (Protein A); Saposin B-Val; Saposin B (Sphingolipid activator protein 1) (SAP-1) (Cerebroside sulfate activator) (CSAct) (Dispersin) (Sulfatide/GM1 activator); Saposin C (Co-beta-	SAP_HUMAN	58094	DNATEEEILVYLEK	K	T	95%	103.0	39.1	4.14	4	2	1666.81	79	92	80	
(P07602) Proactivator polypeptide precursor [Contains: Saposin A (Protein A); Saposin B-Val; Saposin B (Sphingolipid activator protein 1) (SAP-1) (Cerebroside sulfate activator) (CSAct) (Dispersin) (Sulfatide/GM1 activator); Saposin C (Co-beta-	SAP_HUMAN	58094	TCDWLPKPNMSASCK	K	E	95%	54.0	39.0	6.01	1	0	1795.78	93	107	101	
(P07602) Proactivator polypeptide precursor [Contains: Saposin A (Protein A); Saposin B-Val; Saposin B (Sphingolipid activator protein 1) (SAP-1) (Cerebroside sulfate activator) (CSAct) (Dispersin) (Sulfatide/GM1 activator); Saposin C (Co-beta-	SAP_HUMAN	58094	TNSTFVQALVEHVK	R	E	95%	75.8	38.7	3.85	2	0	1573.82	214	227	215	
(P07602) Proactivator polypeptide precursor [Contains: Saposin A (Protein A); Saposin B-Val; Saposin B (Sphingolipid activator protein 1) (SAP-1) (Cerebroside sulfate activator) (CSAct) (Dispersin) (Sulfatide/GM1 activator); Saposin C (Co-beta-	SAP_HUMAN	58094	TNSTFVQALVEHVKEECDR	R	L	95%	107.0	38.1	8.54	4	2	2263.07	214	232	215	
(P07602) Proactivator polypeptide precursor [Contains: Saposin A (Protein A); Saposin B-Val; Saposin B (Sphingolipid activator protein 1) (SAP-1) (Cerebroside sulfate activator) (CSAct) (Dispersin) (Sulfatide/GM1 activator); Saposin C (Co-beta-	SAP_HUMAN	58094	LIDNNKTEKEILDAFDK	K	M	95%	78.8	38.2	6.77	3	2	2007.03	328	344	332	
(P07602) Proactivator polypeptide precursor [Contains: Saposin A (Protein A); Saposin B-Val; Saposin B (Sphingolipid activator protein 1) (SAP-1) (Cerebroside sulfate activator) (CSAct) (Dispersin) (Sulfatide/GM1 activator); Saposin C (Co-beta-	SAP_HUMAN	58094	NLEKNSTKQEILAALEK	R	G	95%	102.0	38.7	7.22	3	5	1930.05	422	438	426	
(P07602) Proactivator polypeptide precursor [Contains: Saposin A (Protein A); Saposin B-Val; Saposin B (Sphingolipid activator protein 1) (SAP-1) (Cerebroside sulfate activator) (CSAct) (Dispersin) (Sulfatide/GM1 activator); Saposin C (Co-beta-	SAP_HUMAN	58094	NSTKQEILAALEK	K	G	95%	84.6	39.0	3.92	1	1	1445.79	426	438	426	
(P07942) Laminin beta-1 chain precursor (Laminin B1 chain)	LAMB1_HUMAN	198045	VNASTTEPNSTVEQSALMR	R	D	95%	61.8	38.2	4.02	1	0	2051.96	1335	1353		1336, 1343
(P07942) Laminin beta-1 chain precursor (Laminin B1 chain)	LAMB1_HUMAN	198045	MEMPSTPQQLQNLTEDIR	K	E	95%	0.0	0.0	3.77	1	0	2163.99	1531	1548		1542
(P07996) Thrombospondin-1 precursor	TSP1_HUMAN	129394	VVNSTTGPGEHLR	K	N	95%	66.4	38.5	5.21	2	0	1367.69	1065	1077	1067	
(P08174) Complement decay-accelerating factor precursor (CD55 antigen)	DAF_HUMAN	41382	GSQWSDIEEFCNR	K	S	95%	102.0	38.7	5.09	1	0	1628.67	84	96		95
(P08195) 4F2 cell-surface antigen heavy chain (4F2hc) (Lymphocyte activation antigen 4F2 large subunit) (4F2 heavy chain antigen) (CD98 antigen)	4F2_HUMAN	57929	DASSFLAEWQNITK	K	G	95%	95.6	39.2	5.68	2	0	1610.77	254	267	264	
(P08195) 4F2 cell-surface antigen heavy chain (4F2hc) (Lymphocyte activation antigen 4F2 large subunit) (4F2 heavy chain antigen) (CD98 antigen)	4F2_HUMAN	57929	LLIAGTNSSDLQQILSLLESNK	R	D	95%	137.0	38.5	8.77	2	2	2358.28	274	295	280	
(P08195) 4F2 cell-surface antigen heavy chain (4F2hc) (Lymphocyte activation antigen 4F2 large subunit) (4F2 heavy chain antigen) (CD98 antigen)	4F2_HUMAN	57929	SLVTQYLNATGNR	K	W	95%	94.4	38.6	3.72	1	0	1437.73	316	328	323	
(P08236) Beta-glucuronidase precursor (EC 3.2.1.31) (Beta-G1)	BGLR_HUMAN	74699	LLDAENKVVANGTGTQGQLK	R	V	95%	72.5	38.2	6.64	1	0	2057.09	262	281	272	
(P08236) Beta-glucuronidase precursor (EC 3.2.1.31) (Beta-G1)	BGLR_HUMAN	74699	VVANGTGTQGQLK	K	V	95%	82.5	38.8	5.72	3	0	1273.68	269	281	272	
(P08236) Beta-glucuronidase precursor (EC 3.2.1.31) (Beta-G1)	BGLR_HUMAN	74699	IANETRYPHSVAK	K	S	95%	48.4	38.7	2.85	1	0	1486.77	629	641		631
(P08962) CD63 antigen (Melanoma-associated antigen ME491) (Lysosome-associated membrane glycoprotein 3) (LAMP-3) (Ocular melanoma-associated antigen) (OMA81H) (Granulophysin) (Tetraspanin-30) (Tspan-30)	CD63_HUMAN	25487	QQMENYPKNNHTASILDR	R	M	95%	43.9	38.8	3.74	0	2	2161.00	120	137	130	
(P08962) CD63 antigen (Melanoma-associated antigen ME491) (Lysosome-associated membrane glycoprotein 3) (LAMP-3) (Ocular melanoma-associated antigen) (OMA81H) (Granulophysin) (Tetraspanin-30) (Tspan-30)	CD63_HUMAN	25487	NNHTASILDR	K	M	95%	52.1	38.6	1.82	2	0	1141.56	128	137	130	

(P08962) CD63 antigen (Melanoma-associated antigen ME491) (Lysosome-associated membrane glycoprotein 3) (LAMP-3) (Ocular melanoma-associated antigen) (OMA81H) (Granulophysin) (Tetraspanin-30) (Tspan-30)	CD63_HUMAN	25487	CCGAANYTDWEK	K	I	95%	63.8	38.8	8.92	4	0	1475.56	144	155		150
(P08962) CD63 antigen (Melanoma-associated antigen ME491) (Lysosome-associated membrane glycoprotein 3) (LAMP-3) (Ocular melanoma-associated antigen) (OMA81H) (Granulophysin) (Tetraspanin-30) (Tspan-30)	CD63_HUMAN	25487	NRVPDSCCINVTVGCGINFNEK	K	A	95%	68.3	39.1	3.77	0	2	2555.13	162	183		172
(P08962) CD63 antigen (Melanoma-associated antigen ME491) (Lysosome-associated membrane glycoprotein 3) (LAMP-3) (Ocular melanoma-associated antigen) (OMA81H) (Granulophysin) (Tetraspanin-30) (Tspan-30)	CD63_HUMAN	25487	VPDSCCINVTVGCGINFNEK	R	A	95%	71.6	38.2	5.41	1	0	2284.01	164	183		172
(P10253) Lysosomal alpha-glucosidase precursor (EC 3.2.1.20) (Acid maltase) (Aglucosidase alfa) [Contains: 76 kDa lysosomal alpha-glucosidase; 70 kDa lysosomal alpha-glucosidase]	LYAG_HUMAN	105321	LENLSSSEMGYTATLTR	K	T	95%	105.0	38.6	10.30	4	0	1889.88	138	154	140	
(P10253) Lysosomal alpha-glucosidase precursor (EC 3.2.1.20) (Acid maltase) (Aglucosidase alfa) [Contains: 76 kDa lysosomal alpha-glucosidase; 70 kDa lysosomal alpha-glucosidase]	LYAG_HUMAN	105321	QVVENMTR	R	A	95%	44.8	39.5	0.29	1	0	977.47	386	393	390	
(P10253) Lysosomal alpha-glucosidase precursor (EC 3.2.1.20) (Acid maltase) (Aglucosidase alfa) [Contains: 76 kDa lysosomal alpha-glucosidase; 70 kDa lysosomal alpha-glucosidase]	LYAG_HUMAN	105321	RGVFITNETGQPLIGK	R	V	95%	84.1	38.5	4.62	1	1	1730.94	464	479	470	
(P10253) Lysosomal alpha-glucosidase precursor (EC 3.2.1.20) (Acid maltase) (Aglucosidase alfa) [Contains: 76 kDa lysosomal alpha-glucosidase; 70 kDa lysosomal alpha-glucosidase]	LYAG_HUMAN	105321	GVFITNETGQPLIGK	R	V	95%	93.7	38.7	5.03	1	0	1574.84	465	479	470	
(P10253) Lysosomal alpha-glucosidase precursor (EC 3.2.1.20) (Acid maltase) (Aglucosidase alfa) [Contains: 76 kDa lysosomal alpha-glucosidase; 70 kDa lysosomal alpha-glucosidase]	LYAG_HUMAN	105321	NNTIVNELVR	R	V	95%	71.4	38.8	2.14	4	0	1172.63	882	891	882	
(P10253) Lysosomal alpha-glucosidase precursor (EC 3.2.1.20) (Acid maltase) (Aglucosidase alfa) [Contains: 76 kDa lysosomal alpha-glucosidase; 70 kDa lysosomal alpha-glucosidase]	LYAG_HUMAN	105321	VTVLGVATAPQQVLSNGVPVSNFTYSPDTK	K	V	95%	87.4	37.5	11.90	2	0	3091.58	904	933	925	
(P10619) Lysosomal protective protein precursor (EC 3.4.16.5) (Cathepsin A) (Carboxypeptidase C) (Protective protein for beta-galactosidase) [Contains: Lysosomal protective protein 32 kDa chain; Lysosomal protective protein 20 kDa chain]	PPGB_HUMAN	54450	FYATNDTEVAQSNFEALQDFFR	K	L	95%	119.0	37.6	8.54	1	0	2614.17	141	162	145	
(P10619) Lysosomal protective protein precursor (EC 3.4.16.5) (Cathepsin A) (Carboxypeptidase C) (Protective protein for beta-galactosidase) [Contains: Lysosomal protective protein 32 kDa chain; Lysosomal protective protein 20 kDa chain]	PPGB_HUMAN	54450	MDPPCTNTTAASTYLNNPYVR	R	K	95%	125.0	37.9	5.41	5	2	2403.06	327	347		333
(P10909) Clusterin precursor (Complement-associated protein SP-40,40) (Complement cytolysis inhibitor) (CLI) (NA1/NA2) (Apolipoprotein J) (Apo-J) (Testosterone-repressed prostate message 2) (TRPM-2) [Contains: Clusterin beta chain (ApoJalpha)	CLUS_HUMAN	52477	LANLTQGEDQYYLR	R	V	95%	94.3	38.8	6.68	2	0	1684.82	372	385	374	
(P11117) Lysosomal acid phosphatase precursor (EC 3.1.3.2) (LAP)	PPAL_HUMAN	48299	YHGFLNTSYHR	R	Q	95%	53.9	39.2	3.85	1	0	1395.64	87	97		92
(P11117) Lysosomal acid phosphatase precursor (EC 3.1.3.2) (LAP)	PPAL_HUMAN	48299	FNPNISWQPIPVHTVPITEDR	R	L	95%	88.1	37.8	3.36	1	1	2461.25	130	150		133
(P11117) Lysosomal acid phosphatase precursor (EC 3.1.3.2) (LAP)	PPAL_HUMAN	48299	YEQLQNETR	R	Q	95%	65.3	38.5	4.28	1	0	1181.54	162	170		167
(P11117) Lysosomal acid phosphatase precursor (EC 3.1.3.2) (LAP)	PPAL_HUMAN	48299	KNLTLMATTSQLPK	R	L	95%	58.8	39.4	7.29	1	0	1561.86	266	279		267
(P11166) Solute carrier family 2, facilitated glucose transporter member 1 (Glucose transporter type 1, erythrocyte/brain) (HepG2 glucose transporter)	GTR1_HUMAN	54101	VIEEFYNQTWVHR	K	Y	95%	98.7	38.9	7.54	2	0	1721.83	39	51	45	
(P11279) Lysosome-associated membrane glycoprotein 1 precursor (LAMP-1) (CD107a antigen)	LAMP1_HUMAN	44756	SGPKNMTFDLPSDATVVLNR	K	S	95%	91.8	38.3	8.74	3	4	2180.05	57	76	61, 75	
(P11279) Lysosome-associated membrane glycoprotein 1 precursor (LAMP-1) (CD107a antigen)	LAMP1_HUMAN	44756	NMTFDLPSDATVVLNR	K	S	95%	113.0	39.0	8.64	1	0	1810.85	61	76	61, 75	
(P11279) Lysosome-associated membrane glycoprotein 1 precursor (LAMP-1) (CD107a antigen)	LAMP1_HUMAN	44756	SSCGKENTSDPSLVIAFGR	R	G	95%	101.0	38.3	5.11	2	0	2025.96	77	95	83	
(P11279) Lysosome-associated membrane glycoprotein 1 precursor (LAMP-1) (CD107a antigen)	LAMP1_HUMAN	44756	ENTSDPSLVIAFGR	K	G	95%	64.2	38.7	6.17	1	0	1506.74	82	95	83	

(P11279) Lysosome-associated membrane glycoprotein 1 precursor (LAMP-1) (CD107a antigen)	LAMP1_HUMAN	44756	GHTLTLNFTR	R	N	95%	52.4	39.3	3.60	1	0	1160.61	96	105	102	
(P11279) Lysosome-associated membrane glycoprotein 1 precursor (LAMP-1) (CD107a antigen)	LAMP1_HUMAN	44756	YSVQLMSFVYNLSDTHLFPNASSK	R	E	95%	73.6	39.2	5.05	0	1	2766.30	110	133	120, 129	
(P11279) Lysosome-associated membrane glycoprotein 1 precursor (LAMP-1) (CD107a antigen)	LAMP1_HUMAN	44756	CVSGTQVHMNNVTVTLHDATIQAYLSNSSFSR	R	G	95%	93.8	38.5	15.50	0	2	3540.64	154	185	164	
(P11717) Cation-independent mannose-6-phosphate receptor precursor (CI Man-6-P receptor) (CI-MPR) (M6PR) (Insulin-like growth factor 2 receptor) (Insulin-like growth factor II receptor) (IGF-II receptor) (M6P/IGF2 receptor) (M6P/IGF2R) (300 kD	MPRI_HUMAN	274256	SLLEFNTTVSCDQQGTNHR	R	V	95%	53.2	38.5	3.85	1	0	2208.00	107	125	112	
(P11717) Cation-independent mannose-6-phosphate receptor precursor (CI Man-6-P receptor) (CI-MPR) (M6PR) (Insulin-like growth factor 2 receptor) (Insulin-like growth factor II receptor) (IGF-II receptor) (M6P/IGF2 receptor) (M6P/IGF2R) (300 kD	MPRI_HUMAN	274256	TNITLVCKPGDLESAPVLR	K	T	95%	78.3	38.4	5.70	1	0	2084.11	580	598	581	
(P11717) Cation-independent mannose-6-phosphate receptor precursor (CI Man-6-P receptor) (CI-MPR) (M6PR) (Insulin-like growth factor 2 receptor) (Insulin-like growth factor II receptor) (IGF-II receptor) (M6P/IGF2 receptor) (M6P/IGF2R) (300 kD	MPRI_HUMAN	274256	DAGVGFPEYQEEDNSTYNFR	R	W	95%	69.4	38.4	9.77	1	0	2339.96	734	753	747	
(P11717) Cation-independent mannose-6-phosphate receptor precursor (CI Man-6-P receptor) (CI-MPR) (M6PR) (Insulin-like growth factor 2 receptor) (Insulin-like growth factor II receptor) (IGF-II receptor) (M6P/IGF2 receptor) (M6P/IGF2R) (300 kD	MPRI_HUMAN	274256	TGPVVEDSGSLLLEYVNGSACTTSDGR	K	Q	95%	103.0	37.7	6.15	1	0	2785.28	855	881		871
(P11717) Cation-independent mannose-6-phosphate receptor precursor (CI Man-6-P receptor) (CI-MPR) (M6PR) (Insulin-like growth factor 2 receptor) (Insulin-like growth factor II receptor) (IGF-II receptor) (M6P/IGF2 receptor) (M6P/IGF2R) (300 kD	MPRI_HUMAN	274256	DPNSGFVFNLNPLNSSQGYNVSGIGK	R	I	95%	52.1	38.0	-0.38	1	0	2727.29	938	963		951
(P13473) Lysosome-associated membrane glycoprotein 2 precursor (LAMP-2) (CD107b antigen)	LAMP2_HUMAN	44943	WQMNFTVR	K	Y	95%	47.4	39.2	1.82	1	0	1082.51	46	53	49	
(P13473) Lysosome-associated membrane glycoprotein 2 precursor (LAMP-2) (CD107b antigen)	LAMP2_HUMAN	44943	TVTISDHGTVTYNGSICGDDQNGPK	K	I	95%	69.7	39.3	1.62	0	6	2638.16	63	87	75	
(P13473) Lysosome-associated membrane glycoprotein 2 precursor (LAMP-2) (CD107b antigen)	LAMP2_HUMAN	44943	AASTYSIDSVSFSYNTGDNTTFPDAEDK	K	G	95%	78.5	37.5	7.26	2	0	3005.27	105	132	123	
(P13473) Lysosome-associated membrane glycoprotein 2 precursor (LAMP-2) (CD107b antigen)	LAMP2_HUMAN	44943	VASVININPNTTHSTGSCR	K	S	95%	106.0	38.3	3.57	1	1	2028.98	248	266	257	
(P13987) CD59 glycoprotein precursor (Membrane attack complex inhibition factor) (MACIF) (MAC-inhibitory protein) (MAC-IP) (Protectin) (MEM43 antigen) (Membrane inhibitor of reactive lysis) (MIRL) (20 kDa homologous restriction factor) (HRF-20	CD59_HUMAN	14159	TAVNCSSDFDACLITK	K	A	95%	125.0	39.2	11.70	20	0	1802.79	40	55	43	
(P14625) Endoplasmin precursor (Heat shock protein 90 kDa beta member 1) (94 kDa glucose-regulated protein) (GRP94) (gp96 homolog) (Tumor rejection antigen 1)	ENPL_HUMAN	92454	TDDEVVQREEEAIQLDGLNASQIR	R	E	95%	57.2	39.0	10.50	0	1	2729.32	44	67		62
(P14625) Endoplasmin precursor (Heat shock protein 90 kDa beta member 1) (94 kDa glucose-regulated protein) (GRP94) (gp96 homolog) (Tumor rejection antigen 1)	ENPL_HUMAN	92454	EEEAIQLDGLNASQIR	R	E	95%	59.0	38.5	3.18	1	0	1786.88	52	67		62
(P15151) Poliovirus receptor precursor (Nectin-like protein 5) (Necl-5) (CD155 antigen)	PVR_HUMAN	45284	VEDEGNYTCLFVTFPQGSR	R	S	95%	89.1	38.3	5.39	2	0	2219.99	115	133	120	
(P15529) Membrane cofactor protein precursor (Trophoblast leukocyte common antigen) (TLX) (CD46 antigen)	MCP_HUMAN	43730	GFYLDGSDTIVCDSNSTWDPPVPK	K	C	95%	83.2	37.6	6.00	1	0	2671.19	259	282	273	
(P15586) N-acetylglucosamine-6-sulfatase precursor (EC 3.1.6.14) (G6S) (Glucosamine-6-sulfatase)	GNS_HUMAN	62066	YPHNHHVVNNTLEGNCSSK	K	S	95%	75.2	39.2	5.40	0	2	2210.94	103	121		111, 117
(P15586) N-acetylglucosamine-6-sulfatase precursor (EC 3.1.6.14) (G6S) (Glucosamine-6-sulfatase)	GNS_HUMAN	62066	YYNYTLSINGK	K	A	95%	62.3	39.0	10.70	1	0	1337.63	181	191	183	
(P15586) N-acetylglucosamine-6-sulfatase precursor (EC 3.1.6.14) (G6S) (Glucosamine-6-sulfatase)	GNS_HUMAN	62066	TPMTNSSIQFLDNAFR	K	K	95%	137.0	38.6	9.27	4	1	1842.87	275	290	279	
(P15586) N-acetylglucosamine-6-sulfatase precursor (EC 3.1.6.14) (G6S) (Glucosamine-6-sulfatase)	GNS_HUMAN	62066	MLVANIDLGPTILDIAGYDLNK	K	T	95%	107.0	38.2	10.10	1	0	2376.24	367	388		387
(P15586) N-acetylglucosamine-6-sulfatase precursor (EC 3.1.6.14) (G6S) (Glucosamine-6-sulfatase)	GNS_HUMAN	62066	GASNLTWR	R	S	95%	48.0	39.0	1.59	2	0	905.45	402	409		405

(P16070) CD44 antigen precursor (Phagocytic glycoprotein I) (PGP-1) (HUTCH-I) (Extracellular matrix receptor-III) (ECMR-III) (GP90 lymphocyte homing/adhesion receptor) (Hermes antigen) (Hyaluronate receptor) (Heparan sulfate proteoglycan) (Epi	CD44_HUMAN	81535	AFNSTLPTMAQMEK	K	A	95%	71.3	39.4	8.08	4	0	1585.72	55	68	57	
(P16278) Beta-galactosidase precursor (EC 3.2.1.23) (Lactase) (Acid beta-galactosidase)	BGAL_HUMAN	76076	CGALQGLYTTVDFGTGSNITDAFLSQR	K	K	95%	103.0	37.5	8.77	1	0	2893.37	230	256		247
(P16278) Beta-galactosidase precursor (EC 3.2.1.23) (Lactase) (Acid beta-galactosidase)	BGAL_HUMAN	76076	NNVITLNITGK	R	A	95%	75.0	39.3	1.17	3	0	1187.66	458	468	464	
(P16422) Tumor-associated calcium signal transducer 1 precursor (Major gastrointestinal tumor-associated protein GA733-2) (Epithelial cell surface antigen) (Epithelial glycoprotein) (EGP) (Adenocarcinoma-associated antigen) (KSA) (KS 1/4 anti	TACD1_HUMAN	34902	QCNGTSTCWCVNTAGVR	K	R	95%	111.0	38.6	5.42	3	0	1971.81	109	125	111	
(P17050) Alpha-N-acetylgalactosaminidase precursor (EC 3.2.1.49) (Alpha-galactosidase B)	NAGAB_HUMAN	46548	LGIYADMGNFTCMGYPGTTLDK	K	V	95%	86.3	38.3	9.00	1	0	2442.07	116	137		124
(P17050) Alpha-N-acetylgalactosaminidase precursor (EC 3.2.1.49) (Alpha-galactosidase B)	NAGAB_HUMAN	46548	VNYSLLADICNLWR	R	N	95%	62.9	38.4	4.34	2	0	1737.86	200	213		201
(P17301) Integrin alpha-2 precursor (Platelet membrane glycoprotein Ia) (GPIa) (Collagen receptor) (VLA-2 alpha chain) (CD49b antigen)	ITA2_HUMAN	129280	LNLQTSTSIPNVTEMK	K	T	95%	85.5	38.9	5.92	2	0	1792.90	95	110		105
(P17301) Integrin alpha-2 precursor (Platelet membrane glycoprotein Ia) (GPIa) (Collagen receptor) (VLA-2 alpha chain) (CD49b antigen)	ITA2_HUMAN	129280	TNMSLGLILTR	K	N	95%	66.8	39.0	3.43	1	0	1235.67	111	121		112
(P17301) Integrin alpha-2 precursor (Platelet membrane glycoprotein Ia) (GPIa) (Collagen receptor) (VLA-2 alpha chain) (CD49b antigen)	ITA2_HUMAN	129280	YFFNVSDEAALLEK	R	A	95%	94.9	39.4	10.60	2	0	1646.80	340	353	343	
(P17301) Integrin alpha-2 precursor (Platelet membrane glycoprotein Ia) (GPIa) (Collagen receptor) (VLA-2 alpha chain) (CD49b antigen)	ITA2_HUMAN	129280	ANYTGQIVLYSVNENGNITVIQAHR	R	G	95%	92.1	38.8	5.55	0	1	2777.37	459	483		460, 475
(P17301) Integrin alpha-2 precursor (Platelet membrane glycoprotein Ia) (GPIa) (Collagen receptor) (VLA-2 alpha chain) (CD49b antigen)	ITA2_HUMAN	129280	TASCSNVTCWLK	R	D	95%	64.0	39.4	3.15	1	0	1427.63	1052	1063		1057
(P17301) Integrin alpha-2 precursor (Platelet membrane glycoprotein Ia) (GPIa) (Collagen receptor) (VLA-2 alpha chain) (CD49b antigen)	ITA2_HUMAN	129280	GEYFVNVTTR	K	I	95%	60.9	38.9	2.54	2	0	1186.57	1069	1078		1074
(P18084) Integrin beta-5 precursor	ITB5_HUMAN	88037	IYGPFCECDNFSCAR	K	N	95%	66.5	38.4	2.20	1	0	1896.74	543	557		552
(P18084) Integrin beta-5 precursor	ITB5_HUMAN	88037	CHAGYIGDNCNCSTDISTCR	K	G	95%	0.0	0.0	9.37	1	0	2344.87	576	595		586
(P19075) Tetraspanin-8 (Tspan-8) (Transmembrane 4 superfamily member 3) (Tumor-associated antigen CO-029)	TSN8_HUMAN	26027	SDRIVNETLYENTK	K	L	95%	62.7	39.1	9.23	2	0	1682.82	113	126		118
(P19075) Tetraspanin-8 (Tspan-8) (Transmembrane 4 superfamily member 3) (Tumor-associated antigen CO-029)	TSN8_HUMAN	26027	IVNETLYENTK	R	L	95%	99.9	38.8	3.03	4	0	1325.65	116	126		118
(P19440) Gamma-glutamyltranspeptidase 1 precursor (EC 2.3.2.2) (Gamma-glutamyltransferase 1) (CD224 antigen) [Contains: Gamma-glutamyltranspeptidase 1 heavy chain; Gamma-glutamyltranspeptidase 1 light chain]	GGT1_HUMAN	61393	LAFATMFNSSEQSQK	R	G	95%	64.0	38.6	3.92	2	0	1705.77	113	127		120
(P21589) 5'-nucleotidase precursor (EC 3.1.3.5) (Ecto-5'-nucleotidase) (5'-NT) (CD73 antigen)	5NTD_HUMAN	63351	IKLDNYSTQELGK	R	T	95%	59.9	39.1	5.82	2	0	1509.78	329	341		333
(P23229) Integrin alpha-6 precursor (VLA-6) (CD49f antigen) [Contains: Integrin alpha-6 heavy chain; Integrin alpha-6 light chain]	ITA6_HUMAN	126604	QLSCVANQNGSQADCELGNPFK	K	R	95%	59.5	37.9	3.43	1	0	2439.06	762	783		770
(P26006) Integrin alpha-3 precursor (Galactoprotein B3) (GAPB3) (VLA-3 alpha chain) (FRP-2) (CD49c antigen) [Contains: Integrin alpha-3 heavy chain; Integrin alpha-3 light chain]	ITA3_HUMAN	118682	NITIVTGAPR	K	H	95%	61.4	39.1	2.33	2	0	1042.59	265	274		265
(P26006) Integrin alpha-3 precursor (Galactoprotein B3) (GAPB3) (VLA-3 alpha chain) (FRP-2) (CD49c antigen) [Contains: Integrin alpha-3 heavy chain; Integrin alpha-3 light chain]	ITA3_HUMAN	118682	SLDAYPILNQAQALENHTEVQFQK	R	E	95%	64.1	39.0	2.59	0	2	2759.35	590	613		605
(P26006) Integrin alpha-3 precursor (Galactoprotein B3) (GAPB3) (VLA-3 alpha chain) (FRP-2) (CD49c antigen) [Contains: Integrin alpha-3 heavy chain; Integrin alpha-3 light chain]	ITA3_HUMAN	118682	VWNSTFIEDYR	R	D	95%	83.9	39.6	6.17	1	0	1430.66	933	943		935
(P27487) Dipeptidyl peptidase 4 (EC 3.4.14.5) (Dipeptidyl peptidase IV) (DPP IV) (T-cell activation antigen CD26) (TP103) (Adenosine deaminase complexing protein 2) (ADABP) [Contains: Dipeptidyl peptidase 4 membrane form (Dipeptidyl peptidase	DPP4_HUMAN	88263	IPNNTQWVTWSPVGHK	R	L	95%	84.2	38.6	4.32	2	1	1864.93	148	163	150	
(P27487) Dipeptidyl peptidase 4 (EC 3.4.14.5) (Dipeptidyl peptidase IV) (DPP IV) (T-cell activation antigen CD26) (TP103) (Adenosine deaminase complexing protein 2) (ADABP) [Contains: Dipeptidyl peptidase 4 membrane form (Dipeptidyl peptidase	DPP4_HUMAN	88263	IQNYSVMDICDYDESSGR	R	W	95%	124.0	38.5	5.12	3	0	2152.88	319	336	321	

(P27487) Dipeptidyl peptidase 4 (EC 3.4.14.5) (Dipeptidyl peptidase IV) (DPP IV) (T-cell activation antigen CD26) (TP103) (Adenosine deaminase complexing protein 2) (ADABP) [Contains: Dipeptidyl peptidase 4 membrane form (Dipeptidyl peptidase	DPP4_HUMAN	88263	KLDFIILNETK	K	F	95%	93.6	38.7	4.80	1	0	1334.76	513	523	520	
(P27487) Dipeptidyl peptidase 4 (EC 3.4.14.5) (Dipeptidyl peptidase IV) (DPP IV) (T-cell activation antigen CD26) (TP103) (Adenosine deaminase complexing protein 2) (ADABP) [Contains: Dipeptidyl peptidase 4 membrane form (Dipeptidyl peptidase	DPP4_HUMAN	88263	LDFIILNETK	K	F	95%	63.4	38.8	3.15	2	0	1206.66	514	523	520	
(P27701) CD82 antigen (Inducible membrane protein R2) (C33 antigen) (IA4) (Metastasis suppressor Kangai 1) (Suppressor of tumorigenicity-6) (Tetraspanin-27) (Tspan-27)	CD82_HUMAN	29608	DYNSSREDSLQDAWDYVQAQVK	R	C	95%	53.1	38.8	8.96	0	1	2618.16	127	148		129
(P28799) Granulins precursor (Proepithelin) (PEPI) [Contains: Acrogranin; Paragranulin; Granulin-1 (Granulin G); Granulin-2 (Granulin F); Granulin-3 (Granulin B); Granulin-4 (Granulin A); Granulin-5 (Granulin C); Granulin-6 (Granulin D); Granul	GRN_HUMAN	63522	YGCCPMPNATCCSDHLHCCPQDTVCDLIQSK	K	C	95%	57.6	38.0	4.32	0	1	3801.47	229	259		236
(P28799) Granulins precursor (Proepithelin) (PEPI) [Contains: Acrogranin; Paragranulin; Granulin-1 (Granulin G); Granulin-2 (Granulin F); Granulin-3 (Granulin B); Granulin-4 (Granulin A); Granulin-5 (Granulin C); Granulin-6 (Granulin D); Granul	GRN_HUMAN	63522	CLSKENATTDLLTK	K	L	95%	0.0	0.0	3.31	1	0	1576.79	260	273		265
(P29323) Ephrin type-B receptor 2 precursor (EC 2.7.10.1) (Tyrosine-protein kinase receptor EPH-3) (DRT) (Receptor protein-tyrosine kinase HEK5) (ERK) (NY-REN-47 antigen)	EPHB2_HUMAN	117476	AGFEAVENGTVCR	K	G	95%	66.6	38.6	7.21	1	0	1410.63	258	270		265
(P34059) N-acetylgalactosamine-6-sulfatase precursor (EC 3.1.6.4) (N-acetylgalactosamine-6-sulfate sulfatase) (Galactose-6-sulfate sulfatase) (GalNAc6S sulfatase) (Chondroitinsulfatase) (Chondroitinase)	GALNS_HUMAN	58009	TGEANLTQIYLQEALDFIKR	K	Q	95%	104.0	38.3	5.80	1	1	2324.21	200	219		204
(P34059) N-acetylgalactosamine-6-sulfatase precursor (EC 3.1.6.4) (N-acetylgalactosamine-6-sulfate sulfatase) (Galactose-6-sulfate sulfatase) (GalNAc6S sulfatase) (Chondroitinsulfatase) (Chondroitinase)	GALNS_HUMAN	58009	QGIDFCPGQNVSGVTTHNLEDHTK	R	L	95%	0.0	0.0	3.72	1	0	2638.18	414	437		423
(P35613) Basigin precursor (Leukocyte activation antigen M6) (Collagenase stimulatory factor) (Extracellular matrix metalloproteinase inducer) (EMMPRIN) (5F7) (Tumor cell-derived collagenase stimulatory factor) (TCSF) (OK blood group antigen)	BASI_HUMAN	42182	ILLTCSLNDSATEVTGHR	K	W	95%	124.0	38.8	5.04	2	2	1987.98	153	170	160	
(P35613) Basigin precursor (Leukocyte activation antigen M6) (Collagenase stimulatory factor) (Extracellular matrix metalloproteinase inducer) (EMMPRIN) (5F7) (Tumor cell-derived collagenase stimulatory factor) (TCSF) (OK blood group antigen)	BASI_HUMAN	42182	ITDSEDKALMNGSESR	K	F	95%	79.2	38.6	4.66	3	3	1769.79	258	273	268	
(P36955) Pigment epithelium-derived factor precursor (PEDF) (EPC-1)	PEDF_HUMAN	46326	VTQNLTLIEESLTSEFIHDIDR	K	E	95%	74.3	39.1	3.80	0	2	2574.29	282	303	285	
(P43251) Biotinidase precursor (EC 3.5.1.12)	BTD_HUMAN	58896	DVQIIVFPEDGIHGFNFTR	K	T	95%	98.7	38.5	6.15	1	0	2205.10	84	102	99	
(P43251) Biotinidase precursor (EC 3.5.1.12)	BTD_HUMAN	58896	FNDTEVLQR	R	L	95%	51.7	38.5	1.00	1	0	1122.54	129	137	130	
(P43251) Biotinidase precursor (EC 3.5.1.12)	BTD_HUMAN	58896	YQFNTNVVFSNNGTLVDR	R	Y	95%	85.5	38.9	4.41	1	0	2089.00	172	189	183	
(P43251) Biotinidase precursor (EC 3.5.1.12)	BTD_HUMAN	58896	NPVGLIGAENATGETDPSHSK	K	F	95%	133.0	38.3	8.27	2	2	2094.99	320	340	329	
(P48960) CD97 antigen precursor (Leukocyte antigen CD97)	CD97_HUMAN	91852	WCPQNSSCVNATACR	R	C	95%	63.3	38.5	5.10	1	0	1811.73	29	43		33, 38
(P50895) Lutheran blood group glycoprotein precursor (B-CAM cell surface glycoprotein) (Auberger B antigen) (F8/G253 antigen)	LU_HUMAN	67386	VLSLPLNSSAVVNCSVHGLPTPALR	K	W	95%	99.3	38.2	6.26	3	0	2603.39	371	395		377, 383
(P50895) Lutheran blood group glycoprotein precursor (B-CAM cell surface glycoprotein) (Auberger B antigen) (F8/G253 antigen)	LU_HUMAN	67386	TQNFTLLVQGSPELK	R	T	95%	48.5	39.2	3.96	1	0	1675.89	437	451	439	
(P50897) Palmitoyl-protein thioesterase 1 precursor (EC 3.1.2.22) (Palmitoyl-protein hydrolase 1)	PPT1_HUMAN	34176	NHSIFLADINQER	R	G	95%	74.8	39.0	4.80	1	0	1557.77	197	209		197
(P50897) Palmitoyl-protein thioesterase 1 precursor (EC 3.1.2.22) (Palmitoyl-protein hydrolase 1)	PPT1_HUMAN	34176	FLNDSIVDPVDSEWFGFYR	K	S	95%	85.6	38.6	11.00	1	0	2307.06	230	248	232	
(P51688) N-sulphoglucosamine sulphohydrolase precursor (EC 3.10.1.1) (Sulfoglucosamine sulfamidase) (Sulphamidase)	SPHM_HUMAN	56678	NALLLLADDGGFESGAYNNSAIATPHLDALAR	R	R	95%	192.0	38.6	11.10	0	2	3272.61	24	55	41	
(P52799) Ephrin-B2 precursor (EPH-related receptor tyrosine kinase ligand 5) (LERK-5) (HTK ligand) (HTK-L)	EFNB2_HUMAN	36906	NKDYYIISTSNGSLEGLDNQEGGVCQTR	K	A	95%	91.3	38.4	8.30	0	2	3120.41	129	156		139
(P53634) Dipeptidyl-peptidase 1 precursor (EC 3.4.14.1) (Dipeptidyl-peptidase I) (DPP-I) (DPPI) (Cathepsin C) (Cathepsin J) (Dipeptidyl transferase) [Contains: Dipeptidyl-peptidase 1 exclusion domain chain (Dipeptidyl-peptidase I exclusion dom	CATC_HUMAN	51824	DVNCSVMGPQEK	R	K	95%	67.3	39.1	2.46	6	0	1380.58	51	62	53	

(P53634) Dipeptidyl-peptidase 1 precursor (EC 3.4.14.1) (Dipeptidyl-peptidase I) (DPP-I) (DPPI) (Cathepsin C) (Cathepsin J) (Dipeptidyl transferase) [Contains: Dipeptidyl-peptidase 1 exclusion domain chain (Dipeptidyl-peptidase I exclusion dom	CATC_HUMAN	51824	VTTYCNETMTGWVHDVLGR	K	N	95%	91.4	38.2	5.82	2	1	2256.01	114	132	119	
(P54753) Ephrin type-B receptor 3 precursor (EC 2.7.10.1) (Tyrosine-protein kinase receptor HEK-2)	EPHB3_HUMAN	110313	YAAVNITTNQAAPSEVPTLR	R	L	95%	87.9	39.0	5.59	1	0	2117.09	441	460		445
(P55011) Solute carrier family 12 member 2 (Bumetanide-sensitive sodium-(potassium)-chloride cotransporter 1) (Basolateral Na-K-Cl symporter)	S12A2_HUMAN	131434	DATGNVNDTIVTELTNCTSAACK	R	L	95%	142.0	38.1	10.30	2	0	2457.08	547	569		553, 562
(P56199) Integrin alpha-1 (Laminin and collagen receptor) (VLA-1) (CD49a antigen)	ITA1_HUMAN	127823	YNHTGQVIIYR	R	M	95%	40.8	38.7	1.48	1	0	1364.70	459	469		460
(P56199) Integrin alpha-1 (Laminin and collagen receptor) (VLA-1) (CD49a antigen)	ITA1_HUMAN	127823	VYVYALNQTR	K	F	95%	70.9	38.8	3.21	1	0	1227.64	526	535	532	
(P61916) Epididymal secretory protein E1 precursor (Niemann-Pick disease type C2 protein) (hE1)	NPC2_HUMAN	16552	EVNVSPCPTQPCQLSK	K	G	95%	51.2	39.0	1.54	1	0	1843.87	36	51		39
(P61916) Epididymal secretory protein E1 precursor (Niemann-Pick disease type C2 protein) (hE1)	NPC2_HUMAN	16552	GQSYSVNVTFTSNIQSK	K	S	95%	57.1	38.6	5.62	3	0	1860.90	52	68		58
(P80188) Neutrophil gelatinase-associated lipocalin precursor (NGAL) (p25) (25 kDa alpha-2-microglobulin-related subunit of MMP-9) (Lipocalin-2) (Oncogene 24p3)	NGAL_HUMAN	22571	SYNVTSVLFR	K	K	95%	67.2	38.8	5.49	2	0	1186.61	83	92	85	
(P98160) Basement membrane-specific heparan sulfate proteoglycan core protein precursor (HSPG) (Perlecan) (PLC)	PGBM_HUMAN	468788	ALVNFTR	R	S	95%	43.7	38.7	2.49	1	0	821.45	86	92		89
(P98172) Ephrin-B1 precursor (EPH-related receptor tyrosine kinase ligand 2) (LERK-2) (ELK ligand) (ELK-L)	EFNB1_HUMAN	37989	KHHDYYITSTSNGSLEGLENR	K	E	95%	91.8	38.6	5.06	0	1	2422.13	128	148		139
(Q02487) Desmocollin-2 precursor (Desmosomal glycoprotein II and III) (Desmocollin-3)	DSC2_HUMAN	99945	NGIYNITVLASDQGGR	K	T	95%	50.0	38.6	5.28	1	0	1679.82	542	557	546	
(Q02809) Procollagen-lysine,2-oxoglutarate 5-dioxygenase 1 precursor (EC 1.14.11.4) (Lysyl hydroxylase 1) (LH1)	PLOD1_HUMAN	83535	EQINITLDHR	R	C	95%	38.3	38.6	4.85	1	0	1239.63	194	203		197
(Q08380) Galectin-3-binding protein precursor (Lectin galactoside-binding soluble 3-binding protein) (Mac-2-binding protein) (Mac-2 BP) (MAC2BP) (Tumor-associated antigen 90K)	LG3BP_HUMAN	65314	ALGFENATQALGR	R	A	95%	83.8	39.1	3.00	1	0	1348.69	64	76	69	
(Q08380) Galectin-3-binding protein precursor (Lectin galactoside-binding soluble 3-binding protein) (Mac-2-binding protein) (Mac-2 BP) (MAC2BP) (Tumor-associated antigen 90K)	LG3BP_HUMAN	65314	DAGVVCTNETR	R	S	95%	68.8	38.8	2.96	1	0	1222.54	118	128	125	
(Q08380) Galectin-3-binding protein precursor (Lectin galactoside-binding soluble 3-binding protein) (Mac-2-binding protein) (Mac-2 BP) (MAC2BP) (Tumor-associated antigen 90K)	LG3BP_HUMAN	65314	EPGSNVTMSVDAECVPMVR	K	D	95%	97.4	38.3	8.03	4	2	2094.91	188	206	192	
(Q08380) Galectin-3-binding protein precursor (Lectin galactoside-binding soluble 3-binding protein) (Mac-2-binding protein) (Mac-2 BP) (MAC2BP) (Tumor-associated antigen 90K)	LG3BP_HUMAN	65314	YKGLNLTEDTYKPR	R	I	95%	73.0	38.8	9.39	2	2	1698.87	394	407	398	
(Q08380) Galectin-3-binding protein precursor (Lectin galactoside-binding soluble 3-binding protein) (Mac-2-binding protein) (Mac-2 BP) (MAC2BP) (Tumor-associated antigen 90K)	LG3BP_HUMAN	65314	GLNLTEDTYKPR	K	I	95%	71.7	39.2	3.72	2	0	1407.71	396	407	398	
(Q08380) Galectin-3-binding protein precursor (Lectin galactoside-binding soluble 3-binding protein) (Mac-2-binding protein) (Mac-2 BP) (MAC2BP) (Tumor-associated antigen 90K)	LG3BP_HUMAN	65314	AAIPSALDTNSSK	K	S	95%	90.8	38.7	4.35	1	0	1275.64	542	554	551	
(Q08380) Galectin-3-binding protein precursor (Lectin galactoside-binding soluble 3-binding protein) (Mac-2-binding protein) (Mac-2 BP) (MAC2BP) (Tumor-associated antigen 90K)	LG3BP_HUMAN	65314	TVIRPFYLTNSSGVD	R	-	95%	65.0	39.2	5.02	2	0	1669.84	571	585	580	
(Q08431) Lactadherin precursor (Milk fat globule-EGF factor 8) (MFG-E8) (HMFG) (Breast epithelial antigen BA46) (MFGM) [Contains: Lactadherin short form; Medin]	MFGM_HUMAN	43105	VAYSNDSANWTEYQDPR	K	T	95%	105.0	38.6	4.51	1	0	2016.86	321	337		325
(Q08722) Leukocyte surface antigen CD47 precursor (Integrin-associated protein) (IAP) (Antigenic surface determinant protein OA3) (MER6)	CD47_HUMAN	35197	DIYTFDGALNK	R	S	95%	62.6	38.9	2.70	2	0	1257.60	64	74	73	
(Q08722) Leukocyte surface antigen CD47 precursor (Integrin-associated protein) (IAP) (Antigenic surface determinant protein OA3) (MER6)	CD47_HUMAN	35197	SDAVSHTGNYTCEVTELTR	K	E	95%	90.8	38.6	9.46	1	0	2140.95	103	121	111	
(Q13308) Tyrosine-protein kinase-like 7 precursor (Colon carcinoma kinase 4) (CCK-4)	PTK7_HUMAN	118243	RQDVNITVATVPSWLK	R	K	95%	70.6	38.7	5.85	1	0	1828.00	401	416		405
(Q13308) Tyrosine-protein kinase-like 7 precursor (Colon carcinoma kinase 4) (CCK-4)	PTK7_HUMAN	118243	DDAGNYTCIASNGPQGQIR	R	A	95%	73.9	39.0	6.74	1	0	2038.88	563	581		567
(Q13433) Zinc transporter SLC39A6 precursor (Solute carrier family 39 member 6) (Estrogen-regulated protein LIV-1)	S39A6_HUMAN	84265	YGENNSLSVEGFR	R	K	95%	57.0	38.9	3.44	1	0	1472.67	64	76		67

(Q13510) Acid ceramidase precursor (EC 3.5.1.23) (Acylsphingosine deacylase) (N-acylsphingosine amidohydrolase) (AC) (Putative 32 kDa heart protein) (PHP32) [Contains: Acid ceramidase alpha subunit; Acid ceramidase beta subunit]	ASAH1_HUMAN	44633	TVLENSTSYEEAK	R	N	95%	98.3	38.7	3.24	1	0	1471.68	255	267	259	
(Q13510) Acid ceramidase precursor (EC 3.5.1.23) (Acylsphingosine deacylase) (N-acylsphingosine amidohydrolase) (AC) (Putative 32 kDa heart protein) (PHP32) [Contains: Acid ceramidase alpha subunit; Acid ceramidase beta subunit]	ASAH1_HUMAN	44633	TVLENSTSYEEAKNLLTK	R	T	95%	104.0	38.8	8.12	2	1	2041.03	255	272	259	
(Q13510) Acid ceramidase precursor (EC 3.5.1.23) (Acylsphingosine deacylase) (N-acylsphingosine amidohydrolase) (AC) (Putative 32 kDa heart protein) (PHP32) [Contains: Acid ceramidase alpha subunit; Acid ceramidase beta subunit]	ASAH1_HUMAN	44633	ILAPAYFILGGNQSGEGCVITR	K	D	95%	118.0	38.7	8.15	1	0	2337.19	275	296	286	
(Q13641) Trophoblast glycoprotein precursor (5T4 oncofetal trophoblast glycoprotein) (5T4 oncotrophoblast glycoprotein) (5T4 oncofetal antigen) (M6P1)	TPBG_HUMAN	46015	RPPLAELAALNLSGSR	R	L	95%	57.2	38.7	4.57	1	0	1665.93	114	129		124
(Q13740) CD166 antigen precursor (Activated leukocyte-cell adhesion molecule) (ALCAM)	CD166_HUMAN	65116	IIISPEENVTLTCTAENQLER	K	T	95%	95.2	38.3	9.46	1	0	2431.20	473	493	480	
(Q13753) Laminin gamma-2 chain precursor (Laminin 5 gamma 2 subunit) (Kalinin/nicein/epiligrin 100 kDa subunit) (Laminin B2t chain) (Cell-scattering factor 140 kDa subunit) (CSF 140 kDa subunit) (Large adhesive scatter factor 140 kDa subunit)	LAMC2_HUMAN	130958	AQEALSMGNATFYEVESILK	R	N	95%	120.0	38.8	8.27	1	0	2218.06	934	953		942
(Q14108) Lysosome membrane protein 2 (Lysosome membrane protein II) (LIMP II) (Scavenger receptor class B member 2) (85 kDa lysosomal membrane sialoglycoprotein) (LGP85) (CD36 antigen-like 2)	SCRB2_HUMAN	54143	ANIQFGDNGTTISAVSNK	K	A	95%	93.6	38.6	8.57	1	0	1837.89	97	114		105
(Q14108) Lysosome membrane protein 2 (Lysosome membrane protein II) (LIMP II) (Scavenger receptor class B member 2) (85 kDa lysosomal membrane sialoglycoprotein) (LGP85) (CD36 antigen-like 2)	SCRB2_HUMAN	54143	CNMINGTDGDSFHPLITK	K	D	95%	65.4	38.9	6.44	1	0	2019.93	244	261	249	
(Q14126) Desmoglein-2 precursor (HDGC)	DSG2_HUMAN	122367	INATDADEPNTLNSK	K	I	95%	84.9	38.8	4.24	1	0	1603.75	181	195	182	
(Q15223) Poliovirus receptor-related protein 1 precursor (Herpes virus entry mediator C) (HveC) (Nectin-1) (Herpesvirus Ig-like receptor) (HIgR) (CD111 antigen)	PVRL1_HUMAN	57140	NPNGTVTVISR	R	Y	95%	64.9	38.9	2.85	2	0	1158.61	200	210	202	
(Q15262) Receptor-type tyrosine-protein phosphatase kappa precursor (EC 3.1.3.48) (Protein tyrosine phosphatase kappa) (R-PTP-kappa)	PTPRK_HUMAN	162071	GPLANPIWNVTGFTGR	K	D	95%	65.4	39.0	5.77	1	0	1700.88	132	147		140
(Q15262) Receptor-type tyrosine-protein phosphatase kappa precursor (EC 3.1.3.48) (Protein tyrosine phosphatase kappa) (R-PTP-kappa)	PTPRK_HUMAN	162071	LGDVEVNAGQNATFQCIATGR	R	D	95%	51.3	38.7	5.00	1	0	2223.04	201	221		211
(Q15758) Neutral amino acid transporter B(0) (ATB(0)) (Sodium-dependent neutral amino acid transporter type 2) (RD114/simian type D retrovirus receptor) (Baboon M7 virus receptor)	AAAT_HUMAN	56582	SYSTTYEERNITGTR	R	V	95%	50.7	38.7	2.57	1	0	1778.82	203	217		212
(Q16563) Synaptophysin-like protein 1 (Pantophysin)	SYPL1_HUMAN	28548	GQTEIQVNCPPAVTENK	K	T	95%	101.0	38.9	5.21	1	0	1885.90	56	72		71
(Q16787) Laminin alpha-3 chain precursor (Epiligrin 170 kDa subunit) (E170) (Nicein alpha subunit)	LAMA3_HUMAN	189291	EVIDTNLTTLR	K	D	95%	72.5	39.2	7.89	2	0	1275.68	640	650		645
(Q16787) Laminin alpha-3 chain precursor (Epiligrin 170 kDa subunit) (E170) (Nicein alpha subunit)	LAMA3_HUMAN	189291	KIESINQQLLPLGNISDNMDR	R	I	95%	57.8	39.2	7.15	0	1	2416.20	732	752		745
(Q16787) Laminin alpha-3 chain precursor (Epiligrin 170 kDa subunit) (E170) (Nicein alpha subunit)	LAMA3_HUMAN	189291	TFNLNTTEVEPCR	K	R	95%	53.1	38.6	2.77	1	0	1581.72	960	972		964
(Q16787) Laminin alpha-3 chain precursor (Epiligrin 170 kDa subunit) (E170) (Nicein alpha subunit)	LAMA3_HUMAN	189291	FNISTPAFR	R	G	95%	32.2	38.4	3.52	1	0	1053.54	1107	1115		1108
(Q16787) Laminin alpha-3 chain precursor (Epiligrin 170 kDa subunit) (E170) (Nicein alpha subunit)	LAMA3_HUMAN	189291	EGSLPGNSTISIR	R	A	95%	27.7	39.3	4.15	1	0	1331.68	1471	1483		1477
(Q5ZPR3) CD276 antigen precursor (Costimulatory molecule) (B7 homolog 3) (B7-H3) (4Ig-B7-H3)	CD276_HUMAN	57216	QLVHSFAEGQDQGSAYANR	K	T	95%	0.0	0.0	11.20	1	0	2061.93	74	92		91
(Q5ZPR3) CD276 antigen precursor (Costimulatory molecule) (B7 homolog 3) (B7-H3) (4Ig-B7-H3)	CD276_HUMAN	57216	TALFPDLLAQGNASLR	R	L	95%	99.1	39.2	9.17	2	0	1687.90	93	108		104
(Q5ZPR3) CD276 antigen precursor (Costimulatory molecule) (B7 homolog 3) (B7-H3) (4Ig-B7-H3)	CD276_HUMAN	57216	VVLGANGTYSCLVR	R	N	95%	95.4	38.6	7.29	2	0	1509.77	210	223		215
(Q6UVK1) Chondroitin sulfate proteoglycan 4 precursor (Chondroitin sulfate proteoglycan NG2) (Melanoma chondroitin sulfate proteoglycan) (Melanoma-associated chondroitin sulfate proteoglycan)	CSPG4_HUMAN	250476	LGLTPEATNASLLGCMEDLSVNGQR	R	R	95%	84.9	37.6	5.80	1	0	2648.26	340	364		348

(Q6UVK1) Chondroitin sulfate proteoglycan 4 precursor (Chondroitin sulfate proteoglycan NG2) (Melanoma chondroitin sulfate proteoglycan) (Melanoma-associated chondroitin sulfate proteoglycan)	CSPG4_HUMAN	250476	AGQPATAFSQQDLLDGAVLYSHNGSLSPR	R	D	95%	62.0	38.4	2.72	0	2	3001.47	1180	1208		1202
(Q6UVK1) Chondroitin sulfate proteoglycan 4 precursor (Chondroitin sulfate proteoglycan NG2) (Melanoma chondroitin sulfate proteoglycan) (Melanoma-associated chondroitin sulfate proteoglycan)	CSPG4_HUMAN	250476	LDPTVLDAGELANR	R	T	95%	102.0	38.7	4.82	1	0	1484.76	2063	2076	2075	
(Q8IWA5) Choline transporter-like protein 2 (Solute carrier family 44 member 2)	CTL2_HUMAN	80138	TCNPETFPSSNESR	K	Q	95%	66.2	38.9	5.17	2	0	1626.67	407	420		417
(Q8NBJ4) Golgi phosphoprotein 2 (Golgi membrane protein GP73)	GP73_HUMAN	45315	AVLVNNITTGER	K	L	95%	70.1	39.4	6.42	1	0	1287.69	104	115	109	
(Q8NBJ4) Golgi phosphoprotein 2 (Golgi membrane protein GP73)	GP73_HUMAN	45315	LQQDVLQFQKNQTNLER	R	K	95%	59.9	38.5	3.70	1	0	2103.08	134	150		144
(Q8NCC3) 1-O-acylceramide synthase precursor (EC 2.3.1.-) (ACS) (Lysosomal phospholipase A2) (Lysophospholipase 3) (LPLA2) (LCAT-like lysophospholipase) (LLPL)	LYPA3_HUMAN	46641	VFVQTPTINYTLR	K	D	95%	60.1	38.7	2.85	1	0	1552.84	281	293		289
(Q92485) Acid sphingomyelinase-like phosphodiesterase 3b precursor (EC 3.1.4.-) (ASM-like phosphodiesterase 3b)	ASM3B_HUMAN	50796	DMVTYFMNLSQANAQGTPR	K	W	95%	101.0	38.3	5.21	3	0	2160.97	336	354		343
(Q92876) Kallikrein-6 precursor (EC 3.4.21.-) (Protease M) (Neurosin) (Zyme) (SP59)	KLK6_HUMAN	26838	DCSANTTSCHILGWGK	R	T	95%	87.5	38.7	5.89	1	0	1807.77	130	145		134
(Q92896) Golgi apparatus protein 1 precursor (Golgi sialoglycoprotein MG-160) (E-selectin ligand 1) (ESL-1) (Cysteine-rich fibroblast growth factor receptor) (CFR-1)	GSLG1_HUMAN	134577	GNITEYQCHQYITK	R	M	95%	53.2	38.5	2.27	1	0	1755.80	209	222		210
(Q96HE7) ERO1-like protein alpha precursor (EC 1.8.4.-) (ERO1-Lalpha) (Oxidoreductin-1-Lalpha) (Endoplasmic oxidoreductin-1-like protein) (ERO1-L)	ERO1A_HUMAN	54377	KWGHNITEFQQR	K	F	95%	64.9	38.6	5.01	1	1	1544.76	276	287		280
(Q96HE7) ERO1-like protein alpha precursor (EC 1.8.4.-) (ERO1-Lalpha) (Oxidoreductin-1-Lalpha) (Endoplasmic oxidoreductin-1-like protein) (ERO1-L)	ERO1A_HUMAN	54377	WGHNITEFQQR	K	F	95%	53.8	38.9	1.55	1	1	1416.67	277	287		280
(Q99519) Sialidase-1 precursor (EC 3.2.1.18) (Lysosomal sialidase) (N-acetyl-alpha-neuraminidase 1) (Acetylneuraminyl hydrolase) (G9 sialidase)	NEUR1_HUMAN	45449	WSFSNGTSWR	R	K	95%	69.7	38.8	1.68	2	0	1228.54	348	357		352
(Q99523) Sortilin precursor (Neurotensin receptor 3) (NTR3) (NT3) (Glycoprotein 95) (Gp95) (100 kDa NT receptor)	SORT_HUMAN	92052	DITDLINNTFIR	K	T	95%	69.3	38.7	3.09	1	0	1435.74	156	167	162	
(Q99538) Legumain precursor (EC 3.4.22.34) (Asparaginyl endopeptidase) (Protease, cysteine 1)	LGMN_HUMAN	49393	DLNETIHYMYK	K	H	95%	62.7	39.0	6.30	4	0	1443.65	165	175		167
(Q99988) Growth/differentiation factor 15 precursor (GDF-15) (Placental bone morphogenic protein) (Placental TGF-beta) (Macrophage inhibitory cytokine 1) (MIC-1) (Prostate differentiation factor) (NSAID-regulated protein 1) (NRG-1)	GDF15_HUMAN	34151	LRANQSWEDSNTDLVPAPAVR	R	I	95%	62.9	38.4	7.35	1	0	2340.16	67	87		70
(Q99988) Growth/differentiation factor 15 precursor (GDF-15) (Placental bone morphogenic protein) (Placental TGF-beta) (Macrophage inhibitory cytokine 1) (MIC-1) (Prostate differentiation factor) (NSAID-regulated protein 1) (NRG-1)	GDF15_HUMAN	34151	ANQSWEDSNTDLVPAPAVR	R	I	95%	48.1	38.2	2.62	1	0	2070.97	69	87		70
(Q9GZM7) Tubulointerstitial nephritis antigen-like precursor (Tubulointerstitial nephritis antigen-related protein) (TIN Ag-related protein) (TIN-Ag-RP) (Glucocorticoid-inducible protein 5) (Oxidized LDL-responsive gene 2 protein) (OLRG-2)	TINAL_HUMAN	52369	ADDCALPYLGAICYCDLFCNR	R	T	95%	0.0	0.0	10.80	1	0	2568.07	59	79		78
(Q9GZM7) Tubulointerstitial nephritis antigen-like precursor (Tubulointerstitial nephritis antigen-related protein) (TIN Ag-related protein) (TIN-Ag-RP) (Glucocorticoid-inducible protein 5) (Oxidized LDL-responsive gene 2 protein) (OLRG-2)	TINAL_HUMAN	52369	AINQGNYGWQAGNHSAFWGMTLDEGIR	K	Y	95%	61.7	38.8	3.74	0	1	3011.34	149	175		161
(Q9H3G5) Probable serine carboxypeptidase CPVL precursor (EC 3.4.16.-) (Carboxypeptidase, vitellogenic-like) (Vitellogenic carboxypeptidase-like protein) (VCP-like protein) (HVLP)	CPVL_HUMAN	54148	SYAGFLTVNK	K	T	95%	87.8	38.8	2.55	2	0	1100.56	73	82		81
(Q9H3G5) Probable serine carboxypeptidase CPVL precursor (EC 3.4.16.-) (Carboxypeptidase, vitellogenic-like) (Vitellogenic carboxypeptidase-like protein) (VCP-like protein) (HVLP)	CPVL_HUMAN	54148	LLDGDLTSDPSYFQNVTGCSNYYNFLR	K	C	95%	79.3	37.1	8.17	1	0	3161.41	293	319		307
(Q9H3G5) Probable serine carboxypeptidase CPVL precursor (EC 3.4.16.-) (Carboxypeptidase, vitellogenic-like) (Vitellogenic carboxypeptidase-like protein) (VCP-like protein) (HVLP)	CPVL_HUMAN	54148	QAIHVGNQTFNDGTIVEK	R	Y	95%	93.1	38.5	3.96	3	0	1971.98	340	357		346

(Q9H5V8) CUB domain-containing protein 1 precursor (Transmembrane and associated with src kinases) (Membrane glycoprotein gp140) (Subtractive immunization M plus HEp3 associated 135 kDa protein) (SIMA135) (CD318 antigen)	CDCP1_HUMAN	92858	IGTFCSNGTVSR	R	I	95%	80.7	38.7	2.03	2	0	1299.60	174	185		180
(Q9H5V8) CUB domain-containing protein 1 precursor (Transmembrane and associated with src kinases) (Membrane glycoprotein gp140) (Subtractive immunization M plus HEp3 associated 135 kDa protein) (SIMA135) (CD318 antigen)	CDCP1_HUMAN	92858	ASVSFLNFNLSNCER	R	K	95%	68.0	38.6	10.00	1	0	1758.81	262	276		270
(Q9HAT2) Sialate O-acetylesterase precursor (EC 3.1.1.53) (Sialic acid-specific 9-O-acetylesterase) (H-Lse)	SIAE_HUMAN	58297	ALAYGEKNLTFEGPLPEK	R	I	95%	92.9	38.6	7.00	1	0	1978.02	394	411		401
(Q9HD45) Transmembrane 9 superfamily protein member 3 precursor (SM-11044-binding protein) (EP70-P-iso)	TM9S3_HUMAN	67873	IVDVNLTSEGK	R	V	95%	63.9	39.1	4.12	1	0	1175.62	170	180		174
(Q9HDC9) Adipocyte plasma membrane-associated protein (BSCv protein)	APMAP_HUMAN	46464	AGPNGTLFVADAYK	R	G	95%	100.0	38.7	8.41	1	0	1424.71	157	170	160	
(Q9NPR2) Semaphorin-4B precursor	SEM4B_HUMAN	92176	FEAEHISNYTALLLSR	R	D	95%	64.2	38.4	11.10	1	0	1864.94	57	72	64	
(Q9P2B2) Prostaglandin F2 receptor negative regulator precursor (Prostaglandin F2-alpha receptor regulatory protein) (Prostaglandin F2-alpha receptor-associated protein) (CD9 partner 1) (CD9P-1) (CD315 antigen)	FPRP_HUMAN	98538	ELDLTCNITTDR	K	A	95%	68.4	38.5	2.80	1	0	1451.67	294	305		300
(Q9P2B2) Prostaglandin F2 receptor negative regulator precursor (Prostaglandin F2-alpha receptor regulatory protein) (Prostaglandin F2-alpha receptor-associated protein) (CD9 partner 1) (CD9P-1) (CD315 antigen)	FPRP_HUMAN	98538	LENWTDASR	K	V	95%	49.7	39.3	1.26	1	0	1092.50	616	624		618
(Q9P2B2) Prostaglandin F2 receptor negative regulator precursor (Prostaglandin F2-alpha receptor regulatory protein) (Prostaglandin F2-alpha receptor-associated protein) (CD9 partner 1) (CD9P-1) (CD315 antigen)	FPRP_HUMAN	98538	EAATSLSNPIEIDFQTSGPIFNASVHSDTPSVIR	R	G	95%	129.0	38.1	7.24	0	1	3601.77	670	703		691
(Q9UHG3) Prenylcysteine oxidase precursor (EC 1.8.3.5) (PCL1)	PCYOX_HUMAN	56595	LLHALGGDDFLGMLNR	K	T	95%	58.5	38.6	4.80	1	0	1758.89	182	197	196	
(Q9UHG3) Prenylcysteine oxidase precursor (EC 1.8.3.5) (PCL1)	PCYOX_HUMAN	56595	GELNTSIFSSRPIDK	K	F	95%	70.1	38.5	3.80	1	0	1664.85	350	364	353	
(Q9UHL4) Dipeptidyl-peptidase 2 precursor (EC 3.4.14.2) (Dipeptidyl-peptidase II) (DPP II) (Dipeptidyl aminopeptidase II) (Quiescent cell proline dipeptidase) (Dipeptidyl peptidase 7)	DPP2_HUMAN	54311	ALAGLVYNASGSEHCYDIYR	R	L	95%	151.0	38.2	3.04	2	0	2260.03	308	327		315
(Q9UHX3) EGF-like module-containing mucin-like hormone receptor-like 2 precursor (EGF-like module EMR2) (CD312 antigen)	EMR2_HUMAN	90454	WCPQDSSCVNATACR	R	C	95%	46.0	39.0	3.44	1	0	1812.71	32	46		41
(Q9UNW1) Multiple inositol polyphosphate phosphatase 1 precursor (EC 3.1.3.62) (Inositol (1,3,4,5)-tetrakiphosphate 3-phosphatase) (Ins(1,3,4,5)P(4) 3-phosphatase)	MINP1_HUMAN	55035	FLTEVEKNATALYHVEAFK	K	T	95%	85.5	38.8	8.82	1	0	2211.13	235	253	242	
(Q9UNW1) Multiple inositol polyphosphate phosphatase 1 precursor (EC 3.1.3.62) (Inositol (1,3,4,5)-tetrakiphosphate 3-phosphatase) (Ins(1,3,4,5)P(4) 3-phosphatase)	MINP1_HUMAN	55035	NATALYHVEAFK	K	T	95%	61.3	39.3	4.59	1	0	1364.68	242	253	242	
(Q9Y251) Heparanase precursor (EC 3.2.-.-) (Heparanase-1) (Hpa1) (Endo-glucoronidase) [Contains: Heparanase 8 kDa subunit; Heparanase 50 kDa subunit]	HPSE_HUMAN	61162	GYNISWELGNEPNSFLK	K	K	95%	67.5	38.2	4.51	1	0	1968.93	215	231	217	
(Q9Y2E5) Epididymis-specific alpha-mannosidase precursor (EC 3.2.1.24) (Mannosidase alpha class 2B member 2)	MA2B2_HUMAN	113870	QEIFTHIMDQYSYCTPSHIPFSNR	R	S	95%	0.0	0.0	5.70	0	1	2955.31	204	227		226
(Q9Y2E5) Epididymis-specific alpha-mannosidase precursor (EC 3.2.1.24) (Mannosidase alpha class 2B member 2)	MA2B2_HUMAN	113870	ALHALNVTWR	R	V	95%	28.7	38.6	3.72	1	0	1181.64	331	340		336
(Q9Y2E5) Epididymis-specific alpha-mannosidase precursor (EC 3.2.1.24) (Mannosidase alpha class 2B member 2)	MA2B2_HUMAN	113870	RPYVSYVNNSIAR	R	N	95%	52.9	38.7	4.96	1	0	1539.79	741	753		748
(Q9Y4L1) 150 kDa oxygen-regulated protein precursor (Orp150) (Hypoxia up-regulated 1)	OXRP_HUMAN	111319	VFGSQNLTTVK	R	L	95%	79.0	38.7	2.27	1	0	1194.64	510	520	515	
(Q9Y4L1) 150 kDa oxygen-regulated protein precursor (Orp150) (Hypoxia up-regulated 1)	OXRP_HUMAN	111319	LSALDNLLNHSSMFLK	R	G	95%	47.1	38.7	7.92	2	2	1819.93	822	837	830	
(Q9Y4L1) 150 kDa oxygen-regulated protein precursor (Orp150) (Hypoxia up-regulated 1)	OXRP_HUMAN	111319	VINETWAWK	K	N	95%	65.9	39.1	1.68	2	0	1147.58	860	868	862	
(Q9Y4L1) 150 kDa oxygen-regulated protein precursor (Orp150) (Hypoxia up-regulated 1)	OXRP_HUMAN	111319	VINETWAWKNATLAEQAK	K	L	95%	88.2	38.3	8.00	2	2	2075.05	860	877	862, 869	
(Q9Y4L1) 150 kDa oxygen-regulated protein precursor (Orp150) (Hypoxia up-regulated 1)	OXRP_HUMAN	111319	DKNGTRAEPPLNASASDQGEK	K	V	95%	71.3	38.8	5.44	1	0	2187.02	920	940	931	922
(Q9Y4L1) 150 kDa oxygen-regulated protein precursor (Orp150) (Hypoxia up-regulated 1)	OXRP_HUMAN	111319	AEPPLNASASDQGEK	R	V	95%	92.3	39.0	5.11	13	1	1514.70	926	940	931	
(Q9Y5Y6) Suppressor of tumorigenicity protein 14 (EC 3.4.21.-) (Serine protease 14) (Matriptase) (Membrane-type serine protease 1) (MT-SP1) (Prostamin) (Serine protease TADG-15) (Tumor-associated differentially-expressed gene 15 protein)	ST14_HUMAN	94751	ITNENFVDAYENSNSTEFVSLASK	R	V	95%	118.0	37.6	9.19	2	0	2680.23	96	119		109

(Q9Y5Y6) Suppressor of tumorigenicity protein 14 (EC 3.4.21.-) (Serine protease 14) (Matriptase) (Membrane-type serine protease 1) (MT-SP1) (Prostamin) (Serine protease TADG-15) (Tumor-associated differentially-expressed gene 15 protein)	ST14_HUMAN	94751	CDGWADCTDHSDELNCSCDAGHQFTCK	R	N	95%	0.0	0.0	8.68	0	1	3229.15	471	497		485
(Q9Y5Y6) Suppressor of tumorigenicity protein 14 (EC 3.4.21.-) (Serine protease 14) (Matriptase) (Membrane-type serine protease 1) (MT-SP1) (Prostamin) (Serine protease TADG-15) (Tumor-associated differentially-expressed gene 15 protein)	ST14_HUMAN	94751	VINQTTCENLLPQQITPR	R	M	95%	92.9	38.7	7.28	2	1	2126.09	770	787		772

GlycoPeptide Identified in DRO-1 Cell Line

Experiment: DRO-p54-p56-PNGF

Peak List Generator Version: BioWorks 3.3.1
Charge States Calculated: yes
Database Set: Database Name: the Sprot_060206 database
Version: 06/26/06
Taxonomy: Homo sapiens
Number of Proteins: 14164
Search Engine Set: 2 Search Engines
Search Engine: Mascot; Version: 2.1.03
Fragment Tolerance: 0.80 Da (Monoisotopic)
Parent Tolerance: 1.6 Da (Monoisotopic)
Fixed Modifications: +57 on C (Carbamidomethyl)
Variable Modifications: +1 on N (Deamidation), +16 on M (Oxidation)
Database: the Sprot_060206 database (selected for Homo sapiens, unknown version, 14164 entries)
Digestion Enzyme: Trypsin; Max Missed Cleavages: 2
Search Engine: X! Tandem; Version: 2007.01.01.1
Fragment Tolerance: 0.100 Da (Monoisotopic)
Parent Tolerance: 1.6 Da (Monoisotopic)
Fixed Modifications: +57 on C (Carbamidomethyl)
Variable Modifications: +1 on N (Deamidation), +16 on M (Oxidation)
Database: a subset of the uniprot_sprot_060206-oval database
Digestion Enzyme: Trypsin; Max Missed Cleavages: 2
Scaffold Version: Scaffold-2_00_00_final

Protein name	Swiss-Prot Accession Name	Protein molecular weight (Da)	Peptide sequence	Previous amino acid	Next amino acid	Best Peptide identification probability	Best Mascot Ion score	Best Mascot Identity score	Best X! Tandem - log(e) score	Number of identified +2H spectra	Number of identified +3H spectra	Calculated +1H Peptide Mass (AMU)	Peptide start index	Peptide stop index	N-linked Site	Potential N-linked site
(O00115) Deoxyribonuclease-2-alpha precursor (EC 3.1.22.1) (Deoxyribonuclease II alpha) (DNase II alpha) (Acid DNase) (Lysosomal DNase II) (R31240_2)	DNS2A_HUMAN	39563	SNTSQLAFLLYNDQPPQPSK	R	A	95.00%	57.7	38.1	7.11	2	0	2250.09	85	104	86	
(O00115) Deoxyribonuclease-2-alpha precursor (EC 3.1.22.1) (Deoxyribonuclease II alpha) (DNase II alpha) (Acid DNase) (Lysosomal DNase II) (R31240_2)	DNS2A_HUMAN	39563	TVGILPSNCSDIWQVLNVNQIAFPGPAGPSFNSTEDHSK	K	W	95.00%	154.0	37.7	7.51	0	1	4199.00	259	297	266, 290	
(O00754) Lysosomal alpha-mannosidase precursor (EC 3.2.1.24) (Mannosidase, alpha B) (Lysosomal acid alpha-mannosidase) (Laman) (Mannosidase alpha class 2B member 1) [Contains: Lysosomal alpha-mannosidase A peptide; Lysosomal alpha-mannosidase	MA2B1_HUMAN	113656	WWHQQTNATQEVVR	R	D	95.00%	35.2	38.6	5.74	1	0	1783.85	126	139		133
(O00754) Lysosomal alpha-mannosidase precursor (EC 3.2.1.24) (Mannosidase, alpha B) (Lysosomal acid alpha-mannosidase) (Laman) (Mannosidase alpha class 2B member 1) [Contains: Lysosomal alpha-mannosidase A peptide; Lysosomal alpha-mannosidase	MA2B1_HUMAN	113656	TPLVQEVHQNFSAWCSQVVR	K	L	95.00%	52.0	38.8	3.14	0	1	2386.16	682	701		692
(O14773) Tripeptidyl-peptidase 1 precursor (EC 3.4.14.9) (Tripeptidyl-peptidase I) (TPP-I) (Tripeptidyl aminopeptidase) (Lysosomal pepstatin insensitive protease) (LPIC) (Growth-inhibiting gene 1 protein)	TPP1_HUMAN	61230	YNLTSQDVGSGTSNNSQACAQFLEQYFHDSDLAQFMR	R	L	95.00%	180.0	37.8	8.21	0	3	4232.81	209	245		210, 222
(O14773) Tripeptidyl-peptidase 1 precursor (EC 3.4.14.9) (Tripeptidyl-peptidase I) (TPP-I) (Tripeptidyl aminopeptidase) (Lysosomal pepstatin insensitive protease) (LPIC) (Growth-inhibiting gene 1 protein)	TPP1_HUMAN	61230	FLSSSPHLPPSSYFNASGR	K	A	95.00%	65.9	38.5	3.09	0	3	2051.98	429	447	443	
(O43852) Calumenin precursor (Crocalbin) (IEF SSP 9302)	CALU_HUMAN	37090	GHDLNEDGLVSWEEYKNATYGYVLDDPDPDDGFNYK	K	Q	95.00%	72.1	38.1	5.40	0	2	4152.78	115	150		131
(O60568) Procollagen-lysine,2-oxoglutarate 5-dioxygenase 3 precursor (EC 1.14.11.4) (Lysyl hydroxylase 3) (LH3)	PLOD3_HUMAN	84769	SAEFFNYTVR	R	T	95.00%	73.3	39.5	2.89	2	0	1234.57	58	67		63
(O95302) FK506-binding protein 9 precursor (EC 5.2.1.8) (Peptidyl-prolyl cis-trans isomerase) (PPIase) (Rotamase)	FKBP9_HUMAN	63067	YHYNGTLLDGTLFDSSYSR	R	N	95.00%	59.2	38.4	12.20	2	0	2210.00	283	301	286	
(O95857) Tetraspanin-13 (Tspan-13) (Transmembrane 4 superfamily member 13) (Tetraspan NET-6)	TSN13_HUMAN	22130	SVNPNDTCLASCVK	R	S	95.00%	63.6	38.9	4.77	1	0	1565.69	133	146		137
(P00750) Tissue-type plasminogen activator precursor (EC 3.4.21.68) (tPA) (t-PA) (t-plasminogen activator) (Alteplase) (Reteplase) [Contains: Tissue-type plasminogen activator chain A; Tissue-type plasminogen activator chain B]	TPA_HUMAN	62899	GTWSTAESGAECTNWNSSALAQKPYSGR	R	R	95.00%	98.3	38.6	3.52	0	1	3018.32	137	164	152	
(P01011) Alpha-1-antichymotrypsin precursor (ACT) [Contains: Alpha-1-antichymotrypsin His-Pro-less]	AACT_HUMAN	47635	FNLTETSEAEIHQSFQHLLR	K	T	95.00%	122.0	38.1	3.77	3	4	2401.18	105	124	106	
(P01011) Alpha-1-antichymotrypsin precursor (ACT) [Contains: Alpha-1-antichymotrypsin His-Pro-less]	AACT_HUMAN	47635	TLNQSSDELQLSMGNAMFVK	R	E	95.00%	138.0	38.6	9.85	73	23	2214.04	125	144	127	

(P01011) Alpha-1-antichymotrypsin precursor (ACT) [Contains: Alpha-1-antichymotrypsin His-Pro-less]	AACT_HUMAN	47635	LINDYVKNGTR	K	G	95.00%	59.6	38.9	2.12	5	0	1294.66	179	189	186	
(P01011) Alpha-1-antichymotrypsin precursor (ACT) [Contains: Alpha-1-antichymotrypsin His-Pro-less]	AACT_HUMAN	47635	YTGNASALFILPDQDK	K	M	95.00%	118.0	38.5	6.68	7	0	1753.87	268	283	271	
(P01023) Alpha-2-macroglobulin precursor (Alpha-2-M)	A2MG_HUMAN	163259	GNEANYYSNATTDEHGLVQFSINTTNVMGTSLTVR	R	V	95.00%	55.8	37.7	3.17	0	1	3823.72	388	422	396, 410	
(P01023) Alpha-2-macroglobulin precursor (Alpha-2-M)	A2MG_HUMAN	163259	SLGNVNFTVSAEALESQELCGTEVPSVPEHGR	K	K	95.00%	0.0	0	5.21	0	1	3415.60	864	895	869	
(P01033) Metalloproteinase inhibitor 1 precursor (TIMP-1) (Erythroid potentiating activity) (EPA) (Tissue inhibitor of metalloproteinases) (Fibroblast collagenase inhibitor) (Collagenase inhibitor)	TIMP1_HUMAN	23153	FVGTPEVNQTTLYQR	K	Y	95.00%	94.4	38.9	7.54	2	0	1753.88	46	60	53	
(P02787) Serotransferrin precursor (Transferrin) (Siderophilin) (Beta-1-metal-binding globulin)	TRFE_HUMAN	77032	QQQHLFGSNVTDCSGNFCLFR	R	S	95.00%	0.0	0	15.30	4	4	2500.07	622	642	630	
(P02790) Hemopexin precursor (Beta-1B-glycoprotein)	HEMO_HUMAN	51659	SWPAVGNCSSALR	R	W	95.00%	70.7	39.1	3.44	1	0	1405.65	181	193	187	
(P04062) Glucosylceramidase precursor (EC 3.2.1.45) (Beta-glucocerebrosidase) (Acid beta-glucosidase) (D-glucosyl-N-acylsphingosine glucohydrolase) (Alglucerase) (Imiglucerase)	GLCM_HUMAN	59700	DLGPTLANSTHHNVR	R	L	95.00%	80.4	39.1	4.89	2	0	1632.81	302	316	309	
(P04216) Thy-1 membrane glycoprotein precursor (Thy-1 antigen) (CD90 antigen) (CDw90 antigen)	THY1_HUMAN	17917	HENTSSSPIQYEFSLTR	R	E	95.00%	87.6	38.8	10.00	1	0	1996.93	40	56	42	
(P05026) Sodium/potassium-transporting ATPase subunit beta-1 (Sodium/potassium-dependent ATPase beta-1 subunit)	AT1B1_HUMAN	35045	YLQPLLAVQFTNLTMDTEIR	K	I	95.00%	90.9	38.4	8.96	1	0	2383.22	254	273	265	
(P05090) Apolipoprotein D precursor (Apo-D) (ApoD)	APOD_HUMAN	21258	ADGTVNQIEGEATPVNLTEPAK	R	L	95.00%	96.6	38	8.96	2	0	2255.10	83	104	98	
(P05154) Plasma serine protease inhibitor precursor (PCI) (Protein C inhibitor) (Plasminogen activator inhibitor 3) (PAI-3) (PAI3) (Acrosomal serine protease inhibitor)	IPSP_HUMAN	45685	VVGVPYQGNATALFILPSEGK	R	M	95.00%	40.6	38.4	6.64	1	0	2161.15	254	274	262	
(P05362) Intercellular adhesion molecule 1 precursor (ICAM-1) (Major group rhinovirus receptor) (CD54 antigen)	ICAM1_HUMAN	57807	ANLTVVLLR	R	G	95.00%	70.9	39.2	3.05	2	0	999.62	144	152	145	
(P05362) Intercellular adhesion molecule 1 precursor (ICAM-1) (Major group rhinovirus receptor) (CD54 antigen)	ICAM1_HUMAN	57807	TELDLRPQGLELFENTSAPYQLQTFVLPATPPQLVSPR	R	V	95.00%	49.1	37.7	4.24	0	2	4267.23	188	225	202	
(P05362) Intercellular adhesion molecule 1 precursor (ICAM-1) (Major group rhinovirus receptor) (CD54 antigen)	ICAM1_HUMAN	57807	LNPTVTYGNDSFSAK	R	A	95.00%	89.3	38.6	4.24	2	0	1614.77	259	273	267	
(P05362) Intercellular adhesion molecule 1 precursor (ICAM-1) (Major group rhinovirus receptor) (CD54 antigen)	ICAM1_HUMAN	57807	LDERDCPGNWTWPENSQQTPMCQAWGNPLPELK	R	C	95.00%	55.4	37.8	4.80	0	2	3973.71	398	430		406
(P06865) Beta-hexosaminidase alpha chain precursor (EC 3.2.1.52) (N-acetyl-beta-glucosaminidase) (Beta-N-acetylhexosaminidase) (Hexosaminidase A)	HEXA_HUMAN	60672	SAEGTFFINK	K	T	95.00%	64.7	39.4	3.25	2	0	1114.54	149	158	157	
(P07339) Cathepsin D precursor (EC 3.4.23.5) [Contains: Cathepsin D light chain; Cathepsin D heavy chain]	CATD_HUMAN	44535	GSLSYLNVTR	K	K	95.00%	87.3	38.7	3.77	4	0	1110.58	257	266	263	
(P07602) Proactivator polypeptide precursor [Contains: Saposin A (Protein A); Saposin B-Val; Saposin B (Sphingolipid activator protein 1) (SAP-1) (Cerebroside sulfate activator) (CSAct) (Dispersin) (Sulfatide/GM1 activator); Saposin C (Co-beta-	SAP_HUMAN	58094	DNATEEEILVYLEK	K	T	95.00%	96.4	39.2	3.03	2	2	1666.81	79	92	80	
(P07602) Proactivator polypeptide precursor [Contains: Saposin A (Protein A); Saposin B-Val; Saposin B (Sphingolipid activator protein 1) (SAP-1) (Cerebroside sulfate activator) (CSAct) (Dispersin) (Sulfatide/GM1 activator); Saposin C (Co-beta-	SAP_HUMAN	58094	TCDWLPKPNMSASCK	K	E	95.00%	0.0	0	3.62	1	0	1811.78	93	107	101	
(P07602) Proactivator polypeptide precursor [Contains: Saposin A (Protein A); Saposin B-Val; Saposin B (Sphingolipid activator protein 1) (SAP-1) (Cerebroside sulfate activator) (CSAct) (Dispersin) (Sulfatide/GM1 activator); Saposin C (Co-beta-	SAP_HUMAN	58094	TNSTFVQALVEHVK	R	E	95.00%	80.7	39.3	5.74	5	1	1573.82	214	227	215	
(P07602) Proactivator polypeptide precursor [Contains: Saposin A (Protein A); Saposin B-Val; Saposin B (Sphingolipid activator protein 1) (SAP-1) (Cerebroside sulfate activator) (CSAct) (Dispersin) (Sulfatide/GM1 activator); Saposin C (Co-beta-	SAP_HUMAN	58094	LIDNNKTEKEILDAFDK	K	M	95.00%	83.6	38.7	7.33	6	0	2008.01	328	344	332	
(P07602) Proactivator polypeptide precursor [Contains: Saposin A (Protein A); Saposin B-Val; Saposin B (Sphingolipid activator protein 1) (SAP-1) (Cerebroside sulfate activator) (CSAct) (Dispersin) (Sulfatide/GM1 activator); Saposin C (Co-beta-	SAP_HUMAN	58094	NLEKNSTKQEILAALEK	R	G	95.00%	102.0	38.6	5.96	6	5	1931.03	422	438	426	

(P07602) Proactivator polypeptide precursor [Contains: Saposin A (Protein A); Saposin B-Val; Saposin B (Sphingolipid activator protein 1) (SAP-1) (Cerebroside sulfate activator) (CSAct) (Dispersin) (Sulfatide/GM1 activator); Saposin C (Co-beta-	SAP_HUMAN	58094	NSTKQEILAALEK	K	G	95.00%	65.1	39.3	5.15	2	0	1445.79	426	438	426	
(P07686) Beta-hexosaminidase beta chain precursor (EC 3.2.1.52) (N-acetyl-beta-glucosaminidase) (Beta-N-acetylhexosaminidase) (Hexosaminidase B) (Cervical cancer proto-oncogene 7) (HCC-7) [Contains: Beta-hexosaminidase beta-B chain; Beta-hexos	HEXB_HUMAN	63095	MTPNLLHLAPENFYISHSPNSTAGPSCTLLEEAFR	K	R	95.00%	94.3	37.8	5.13	0	2	3932.85	65	99		84
(P07711) Cathepsin L precursor (EC 3.4.22.15) (Major excreted protein) (MEP) [Contains: Cathepsin L heavy chain; Cathepsin L light chain]	CATL_HUMAN	37546	YSVANDTGFVDIPK	K	Q	95.00%	95.4	38.6	6.41	2	0	1526.74	217	230	221	
(P07858) Cathepsin B precursor (EC 3.4.22.1) (Cathepsin B1) (APP secretase) (APPS) [Contains: Cathepsin B light chain; Cathepsin B heavy chain]	CATB_HUMAN	37803	NTTWQAGHNFYNVDMSYLK	R	R	95.00%	52.8	38.3	6.77	2	0	2306.02	38	56		38
(P07942) Laminin beta-1 chain precursor (Laminin B1 chain)	LAMB1_HUMAN	198045	CVCNYLGTVQEHCNGSDCQCDK	K	A	95.00%	0.0	0	9.59	2	0	2687.99	1028	1049		1041
(P07942) Laminin beta-1 chain precursor (Laminin B1 chain)	LAMB1_HUMAN	198045	VNASTTEPNSTVEQSALMR	R	D	95.00%	90.6	38.5	10.30	3	0	2052.94	1335	1353		1336, 1343
(P07942) Laminin beta-1 chain precursor (Laminin B1 chain)	LAMB1_HUMAN	198045	MEMPSTPQQLQNLTEDIR	K	E	95.00%	75.0	38.1	4.68	1	0	2163.99	1531	1548		1542
(P08174) Complement decay-accelerating factor precursor (CD55 antigen)	DAF_HUMAN	41382	DSVICLKGSQWSDIEEFCNR	K	S	95.00%	63.4	39.3	1.00	0	1	2444.09	77	96		95
(P08174) Complement decay-accelerating factor precursor (CD55 antigen)	DAF_HUMAN	41382	GSQWSDIEEFCNR	K	S	95.00%	70.6	39	2.40	2	0	1628.67	84	96		95
(P08195) 4F2 cell-surface antigen heavy chain (4F2hc) (Lymphocyte activation antigen 4F2 large subunit) (4F2 heavy chain antigen) (CD98 antigen)	4F2_HUMAN	57929	DASSFLAEWQNITK	K	G	95.00%	94.2	38.7	10.10	2	0	1610.77	254	267	264	
(P08195) 4F2 cell-surface antigen heavy chain (4F2hc) (Lymphocyte activation antigen 4F2 large subunit) (4F2 heavy chain antigen) (CD98 antigen)	4F2_HUMAN	57929	LLIAGTNSSDLQQILSLLESNK	R	D	95.00%	62.2	39.5	1.96	0	1	2358.28	274	295	280	
(P08195) 4F2 cell-surface antigen heavy chain (4F2hc) (Lymphocyte activation antigen 4F2 large subunit) (4F2 heavy chain antigen) (CD98 antigen)	4F2_HUMAN	57929	SLVTQYLNATGNR	K	W	95.00%	99.3	38.9	3.74	2	0	1437.73	316	328	323	
(P08236) Beta-glucuronidase precursor (EC 3.2.1.31) (Beta-G1)	BGLR_HUMAN	74699	LLDAENKVVANGTGTQGQLK	R	V	95.00%	55.7	38.7	1.57	0	1	2058.07	262	281	272	
(P08236) Beta-glucuronidase precursor (EC 3.2.1.31) (Beta-G1)	BGLR_HUMAN	74699	VVANGTGTQGQLK	K	V	95.00%	40.0	38.8	4.54	1	0	1273.68	269	281	272	
(P08236) Beta-glucuronidase precursor (EC 3.2.1.31) (Beta-G1)	BGLR_HUMAN	74699	IANETRYPHSVAK	K	S	95.00%	35.1	38.8	4.17	1	0	1486.77	629	641		631
(P08294) Extracellular superoxide dismutase [Cu-Zn] precursor (EC 1.15.1.1) (EC-SOD)	SODE_HUMAN	25832	LDAFFALEGFPTEPNSSSR	K	A	95.00%	101.0	38.3	3.92	2	0	2085.98	93	111	107	
(P08648) Integrin alpha-5 precursor (Fibronectin receptor alpha subunit) (Integrin alpha-F) (VLA-5) (CD49e antigen) [Contains: Integrin alpha-5 heavy chain; Integrin alpha-5 light chain]	ITA5_HUMAN	114521	TEKEPLSDPVGTCYLSTDNFTR	R	I	95.00%	51.9	38.6	3.62	0	1	2531.16	164	185		182
(P08962) CD63 antigen (Melanoma-associated antigen ME491) (Lysosome-associated membrane glycoprotein 3) (LAMP-3) (Ocular melanoma-associated antigen) (OMA81H) (Granulophysin) (Tetraspanin-30) (Tspan-30)	CD63_HUMAN	25487	NNHTASILDR	K	M	95.00%	39.5	38.6	5.35	1	0	1141.56	128	137	130	
(P08962) CD63 antigen (Melanoma-associated antigen ME491) (Lysosome-associated membrane glycoprotein 3) (LAMP-3) (Ocular melanoma-associated antigen) (OMA81H) (Granulophysin) (Tetraspanin-30) (Tspan-30)	CD63_HUMAN	25487	CCGAANYTDWEKIPSMSK	K	N	95.00%	0.0	0	9.51	2	0	2117.86	144	161		150
(P09486) SPARC precursor (Secreted protein acidic and rich in cysteine) (Osteonectin) (ON) (Basement-membrane protein 40) (BM-40)	SPRC_HUMAN	34614	VCSNDNKTFDSSCHFFATK	K	C	95.00%	58.2	38.2	11.70	2	0	2266.94	111	129	116	
(P10253) Lysosomal alpha-glucosidase precursor (EC 3.2.1.20) (Acid maltase) (Aglucosidase alfa) [Contains: 76 kDa lysosomal alpha-glucosidase; 70 kDa lysosomal alpha-glucosidase]	LYAG_HUMAN	105321	LENLSSSEMGYTATLTR	K	T	95.00%	126.0	38.4	11.00	1	0	1889.88	138	154	140	
(P10253) Lysosomal alpha-glucosidase precursor (EC 3.2.1.20) (Acid maltase) (Aglucosidase alfa) [Contains: 76 kDa lysosomal alpha-glucosidase; 70 kDa lysosomal alpha-glucosidase]	LYAG_HUMAN	105321	GVFITNETGQPLIGK	R	V	95.00%	74.6	39.3	7.68	3	0	1574.84	465	479	470	
(P10253) Lysosomal alpha-glucosidase precursor (EC 3.2.1.20) (Acid maltase) (Aglucosidase alfa) [Contains: 76 kDa lysosomal alpha-glucosidase; 70 kDa lysosomal alpha-glucosidase]	LYAG_HUMAN	105321	NNTIVNELVR	R	V	95.00%	63.3	39.6	4.82	2	0	1172.63	882	891	882	
(P10253) Lysosomal alpha-glucosidase precursor (EC 3.2.1.20) (Acid maltase) (Aglucosidase alfa) [Contains: 76 kDa lysosomal alpha-glucosidase; 70 kDa lysosomal alpha-glucosidase]	LYAG_HUMAN	105321	VTVLGVATAPQQVLSNGVPVSNFTYSPDTK	K	V	95.00%	96.6	37.1	9.14	2	0	3091.58	904	933	925	

(P10619) Lysosomal protective protein precursor (EC 3.4.16.5) (Cathepsin A) (Carboxypeptidase C) (Protective protein for beta-galactosidase) [Contains: Lysosomal protective protein 32 kDa chain; Lysosomal protective protein 20 kDa chain]	PPGB_HUMAN	54450	FYATNDTEVAQSNFEALQDFFR	K	L	95.00%	90.2	37.5	6.54	2	0	2614.17	141	162	145	
(P10619) Lysosomal protective protein precursor (EC 3.4.16.5) (Cathepsin A) (Carboxypeptidase C) (Protective protein for beta-galactosidase) [Contains: Lysosomal protective protein 32 kDa chain; Lysosomal protective protein 20 kDa chain]	PPGB_HUMAN	54450	MDPPCTNTTAASTYLNNPYVR	R	K	95.00%	116.0	38.6	6.92	3	2	2403.06	327	347		333
(P11047) Laminin gamma-1 chain precursor (Laminin B2 chain)	LAMC1_HUMAN	177587	LLNNLTSIK	K	I	95.00%	52.5	39	3.25	1	0	1016.60	647	655	650	
(P11047) Laminin gamma-1 chain precursor (Laminin B2 chain)	LAMC1_HUMAN	177587	VNNTLSSQISR	R	L	95.00%	95.8	39.1	2.59	5	0	1219.63	1106	1116	1107	
(P11047) Laminin gamma-1 chain precursor (Laminin B2 chain)	LAMC1_HUMAN	177587	VAAANVSVTQPESTGDPNNMTLLAEEAR	K	K	95.00%	96.7	37.4	4.57	1	0	2903.36	1157	1184	1161	
(P11047) Laminin gamma-1 chain precursor (Laminin B2 chain)	LAMC1_HUMAN	177587	TANDTSTEAYNLLLR	K	T	95.00%	105.0	39.1	9.43	2	0	1682.82	1203	1217		1205
(P11047) Laminin gamma-1 chain precursor (Laminin B2 chain)	LAMC1_HUMAN	177587	TLAGENQTAFEIEELNR	R	K	95.00%	89.0	38.4	8.51	2	1	1935.93	1218	1234	1223	
(P11047) Laminin gamma-1 chain precursor (Laminin B2 chain)	LAMC1_HUMAN	177587	KIPAINQTITEANEK	R	T	95.00%	94.0	38.9	3.92	2	0	1670.90	1390	1404	1395	
(P11047) Laminin gamma-1 chain precursor (Laminin B2 chain)	LAMC1_HUMAN	177587	IPAINQTITEANEK	K	T	95.00%	84.3	39.2	4.57	1	0	1542.80	1391	1404	1395	
(P11117) Lysosomal acid phosphatase precursor (EC 3.1.3.2) (LAP)	PPAL_HUMAN	48299	KNLTLMATTSQLPK	R	L	95.00%	53.8	39.2	3.82	1	0	1562.85	266	279		267
(P11279) Lysosome-associated membrane glycoprotein 1 precursor (LAMP-1) (CD107a antigen)	LAMP1_HUMAN	44756	SGPKNMTFDLPSDATVVLNR	K	S	95.00%	87.8	38.3	4.66	1	1	2180.05	57	76	61, 75	
(P11279) Lysosome-associated membrane glycoprotein 1 precursor (LAMP-1) (CD107a antigen)	LAMP1_HUMAN	44756	SSCGKENTSDPSLVIAFGR	R	G	95.00%	90.4	38.6	7.70	1	0	2025.96	77	95	83	
(P11279) Lysosome-associated membrane glycoprotein 1 precursor (LAMP-1) (CD107a antigen)	LAMP1_HUMAN	44756	GHTLTLNFTR	R	N	95.00%	48.0	39.3	1.92	2	0	1160.61	96	105	102	
(P11279) Lysosome-associated membrane glycoprotein 1 precursor (LAMP-1) (CD107a antigen)	LAMP1_HUMAN	44756	CVSGTQVHMNNVTVTLHDATIQAYLSNSSFSR	R	G	95.00%	69.1	38.1	7.48	0	2	3539.65	154	185	164, 180	
(P13473) Lysosome-associated membrane glycoprotein 2 precursor (LAMP-2) (CD107b antigen)	LAMP2_HUMAN	44943	WQMNFTVR	K	Y	95.00%	40.0	38.8	4.72	1	0	1098.50	46	53	49	
(P13473) Lysosome-associated membrane glycoprotein 2 precursor (LAMP-2) (CD107b antigen)	LAMP2_HUMAN	44943	VASVININPNTTHSTGSCR	K	S	95.00%	69.6	38.7	4.43	0	1	2029.96	248	266	257	
(P13473) Lysosome-associated membrane glycoprotein 2 precursor (LAMP-2) (CD107b antigen)	LAMP2_HUMAN	44943	VQPFNVTQGK	R	Y	95.00%	26.2	39.4	3.31	2	0	1118.58	352	361	356	
(P13611) Versican core protein precursor (Large fibroblast proteoglycan) (Chondroitin sulfate proteoglycan core protein 2) (PG-M) (Glial hyaluronate-binding protein) (GHAP)	CSPG2_HUMAN	372795	FENQTGFPPPDSR	R	F	95.00%	62.2	39.3	4.80	2	0	1492.67	328	340	330	
(P13987) CD59 glycoprotein precursor (Membrane attack complex inhibition factor) (MACIF) (MAC-inhibitory protein) (MAC-IP) (Protectin) (MEM43 antigen) (Membrane inhibitor of reactive lysis) (MIRL) (20 kDa homologous restriction factor) (HRF-20	CD59_HUMAN	14159	TAVNCSSDFDACLITK	K	A	95.00%	120.0	39	8.37	51	0	1802.79	40	55	43	
(P14625) Endoplasmin precursor (Heat shock protein 90 kDa beta member 1) (94 kDa glucose-regulated protein) (GRP94) (gp96 homolog) (Tumor rejection antigen 1)	ENPL_HUMAN	92454	EEEAIQLDGLNASQIR	R	E	95.00%	63.2	38.5	8.19	2	0	1786.88	52	67		62
(P15586) N-acetylglucosamine-6-sulfatase precursor (EC 3.1.6.14) (G6S) (Glucosamine-6-sulfatase)	GNS_HUMAN	62066	YYNYTLSINGK	K	A	95.00%	75.2	38.9	4.72	1	0	1337.63	181	191	183	
(P15586) N-acetylglucosamine-6-sulfatase precursor (EC 3.1.6.14) (G6S) (Glucosamine-6-sulfatase)	GNS_HUMAN	62066	TPMTNSSIQFLDNAFR	K	K	95.00%	123.0	38.5	10.40	5	0	1858.86	275	290	279	
(P15586) N-acetylglucosamine-6-sulfatase precursor (EC 3.1.6.14) (G6S) (Glucosamine-6-sulfatase)	GNS_HUMAN	62066	GASNLTWR	R	S	95.00%	54.2	39	2.37	4	0	905.45	402	409		405
(P16070) CD44 antigen precursor (Phagocytic glycoprotein I) (PGP-1) (HUTCH-I) (Extracellular matrix receptor-III) (ECMR-III) (GP90 lymphocyte homing/adhesion receptor) (Hermes antigen) (Hyaluronate receptor) (Heparan sulfate proteoglycan) (Epi	CD44_HUMAN	81535	AFNSTLPTMAQMEK	K	A	95.00%	80.0	38.8	3.23	3	0	1585.72	55	68	57	
(P16112) Aggrecan core protein precursor (Cartilage-specific proteoglycan core protein) (CSPCP) (Chondroitin sulfate proteoglycan core protein 1) [Contains: Aggrecan core protein 2]	PGCA_HUMAN	250168	TVYVHANQTGYPDPSSR	R	Y	95.00%	108.0	38.5	5.72	2	0	1892.88	327	343		333
(P16112) Aggrecan core protein precursor (Cartilage-specific proteoglycan core protein) (CSPCP) (Chondroitin sulfate proteoglycan core protein 1) [Contains: Aggrecan core protein 2]	PGCA_HUMAN	250168	TVYLYPNQTGLPDPLSR	R	H	95.00%	82.5	38.4	7.39	2	0	1934.99	651	667	657	
(P16278) Beta-galactosidase precursor (EC 3.2.1.23) (Lactase) (Acid beta-galactosidase)	BGAL_HUMAN,BGA	60536	NNVITLNITGK	R	A	95.00%	59.6	39	2.57	2	0	1187.66	458	468	464	

(P16870) Carboxypeptidase E precursor (EC 3.4.17.10) (CPE) (Carboxypeptidase H) (CPH) (Enkephalin convertase) (Prohormone-processing carboxypeptidase)	CBPE_HUMAN	53134	DLQGNPIANATISVEGIDHDVTSAK	R	D	95.00%	64.1	38.1	4.74	1	0	2567.25	382	406		390
(P17050) Alpha-N-acetylgalactosaminidase precursor (EC 3.2.1.49) (Alpha-galactosidase B)	NAGAB_HUMAN	46548	LGIYADMGNFTCMGYPGTTLDK	K	V	95.00%	99.2	38.6	9.80	1	0	2442.07	116	137		124
(P17936) Insulin-like growth factor-binding protein 3 precursor (IGFBP-3) (IBP-3) (IGF-binding protein 3)	IBP3_HUMAN	31642	GLCVNASAVSR	R	L	95.00%	84.1	38.8	5.49	5	0	1134.56	112	122	116	
(P17936) Insulin-like growth factor-binding protein 3 precursor (IGFBP-3) (IBP-3) (IGF-binding protein 3)	IBP3_HUMAN	31642	AYLLPAPPAPGNASESEEDR	R	S	95.00%	79.5	38.6	6.60	1	0	2084.98	125	144	136	
(P21589) 5'-nucleotidase precursor (EC 3.1.3.5) (Ecto-5'-nucleotidase) (5'-NT) (CD73 antigen)	5NTD_HUMAN	63351	IKLDNYSTQELGK	R	T	95.00%	54.2	38.6	6.57	1	0	1509.78	329	341		333
(P24821) Tenascin precursor (TN) (Hexabrachion) (Cytotactin) (Neuronectin) (GMEM) (JI) (Miotendinous antigen) (Glioma-associated-extracellular matrix antigen) (GP 150-225) (Tenascin-C) (TN-C)	TENA_HUMAN	240845	LNYSLPTGQWVGVQLPR	R	N	95.00%	67.4	38.3	5.85	1	0	1929.02	1017	1033		1018
(P24821) Tenascin precursor (TN) (Hexabrachion) (Cytotactin) (Neuronectin) (GMEM) (JI) (Miotendinous antigen) (Glioma-associated-extracellular matrix antigen) (GP 150-225) (Tenascin-C) (TN-C)	TENA_HUMAN	240845	NTTSYVLR	R	G	95.00%	56.3	38.3	3.34	1	0	954.49	1034	1041		1034
(P24821) Tenascin precursor (TN) (Hexabrachion) (Cytotactin) (Neuronectin) (GMEM) (JI) (Miotendinous antigen) (Glioma-associated-extracellular matrix antigen) (GP 150-225) (Tenascin-C) (TN-C)	TENA_HUMAN	240845	VEAAQNLTLPGSLR	K	A	95.00%	81.9	38.7	3.17	1	0	1469.80	1387	1400		1392
(P24821) Tenascin precursor (TN) (Hexabrachion) (Cytotactin) (Neuronectin) (GMEM) (JI) (Miotendinous antigen) (Glioma-associated-extracellular matrix antigen) (GP 150-225) (Tenascin-C) (TN-C)	TENA_HUMAN	240845	LLETVEYNISGAER	R	T	95.00%	95.1	39.1	7.70	1	0	1594.80	1478	1491		1485
(P34059) N-acetylgalactosamine-6-sulfatase precursor (EC 3.1.6.4) (N-acetylgalactosamine-6-sulfate sulfatase) (Galactose-6-sulfate sulfatase) (GalNAc6S sulfatase) (Chondroitinsulfatase) (Chondroitinase)	GALNS_HUMAN	58009	TGEANLTQIYLQEALDFIK	K	R	95.00%	72.4	38.3	3.96	2	0	2168.11	200	218		204
(P35052) Glypican-1 precursor	GPC1_HUMAN	61633	ICPQGYTCCTSEMEENLANR	R	S	95.00%	89.2	38.3	3.00	2	0	2449.97	61	80		79
(P35052) Glypican-1 precursor	GPC1_HUMAN	61633	SFDDHFQHLLNDSER	R	T	95.00%	47.7	38.6	3.28	0	1	1860.82	106	120		116
(P35613) Basigin precursor (Leukocyte activation antigen M6) (Collagenase stimulatory factor) (Extracellular matrix metalloproteinase inducer) (EMMPRIN) (5F7) (Tumor cell-derived collagenase stimulatory factor) (TCSF) (OK blood group antigen)	BASI_HUMAN	42182	ILLTCSLNDSATEVTGHR	K	W	95.00%	137.0	38.2	8.46	2	1	1987.98	153	170	160	
(P35613) Basigin precursor (Leukocyte activation antigen M6) (Collagenase stimulatory factor) (Extracellular matrix metalloproteinase inducer) (EMMPRIN) (5F7) (Tumor cell-derived collagenase stimulatory factor) (TCSF) (OK blood group antigen)	BASI_HUMAN	42182	ITDSEDKALMNGSESR	K	F	95.00%	68.1	38.6	5.29	2	0	1769.79	258	273	268	
(P43121) Cell surface glycoprotein MUC18 precursor (Melanoma-associated antigen MUC18) (Melanoma cell adhesion molecule) (Melanoma-associated antigen A32) (S-endo 1 endothelial-associated antigen) (Cell surface glycoprotein P1H12) (CD146 anti	MUC18_HUMAN	71589	CGLSQSQGNLSHVDWFSVHK	K	E	95.00%	0.0	0	5.52	1	0	2270.03	48	67		56
(P43307) Translocon-associated protein alpha subunit precursor (TRAP-alpha) (Signal sequence receptor alpha subunit) (SSR-alpha)	SSRA_HUMAN	32218	YPQDYQFYIQNFTALPLNTVVPPQR	R	Q	95.00%	53.7	37.1	6.64	1	0	3014.49	126	150	136	
(P43308) Translocon-associated protein beta subunit precursor (TRAP-beta) (Signal sequence receptor beta subunit) (SSR-beta)	SSRB_HUMAN	20118	IAPASNVSHTVVLRPLK	R	A	95.00%	85.5	38.7	5.96	2	0	1803.05	83	99	88	
(P47972) Neuronal pentraxin-2 precursor (NP2) (Neuronal pentraxin II) (NP-II)	NPTX2_HUMAN	47024	ANVSNAGLPGDFR	R	E	95.00%	33.4	39	3.89	1	0	1318.64	147	159		148
(P50897) Palmitoyl-protein thioesterase 1 precursor (EC 3.1.2.22) (Palmitoyl-protein hydrolase 1)	PPT1_HUMAN	34176	NHSIFLADINQER	R	G	95.00%	95.0	39.1	4.00	2	2	1557.77	197	209		197
(P50897) Palmitoyl-protein thioesterase 1 precursor (EC 3.1.2.22) (Palmitoyl-protein hydrolase 1)	PPT1_HUMAN	34176	FLNDSIVDPVDSEWFGFYR	K	S	95.00%	107.0	38.4	10.10	2	0	2307.06	230	248	232	
(P53634) Dipeptidyl-peptidase 1 precursor (EC 3.4.14.1) (Dipeptidyl-peptidase I) (DPP-I) (DPPI) (Cathepsin C) (Cathepsin J) (Dipeptidyl transferase) [Contains: Dipeptidyl-peptidase 1 exclusion domain chain (Dipeptidyl-peptidase I exclusion dom	CATC_HUMAN	51824	VTTYCNETMTGWVHDVLGR	K	N	95.00%	73.3	38.3	5.35	1	1	2256.01	114	132	119	
(P54709) Sodium/potassium-transporting ATPase subunit beta-3 (Sodium/potassium-dependent ATPase beta-3 subunit) (ATPB-3) (CD298 antigen)	AT1B3_HUMAN	31496	FLKPYTLEEQKNLTVCPDGALFEQK	K	G	95.00%	53.1	38.4	5.48	0	2	2969.50	113	137		124
(Q02809) Procollagen-lysine,2-oxoglutarate 5-dioxygenase 1 precursor (EC 1.14.11.4) (Lysyl hydroxylase 1) (LH1)	PLOD1_HUMAN	83535	EQINITLDHR	R	C	95.00%	58.3	38.6	8.17	2	0	1239.63	194	203		197

(Q07954) Low-density lipoprotein receptor-related protein 1 precursor (LRP) (Alpha-2-macroglobulin receptor) (A2MR) (Apolipoprotein E receptor) (APOER) (CD91 antigen)	LRP1_HUMAN	504543	FNSTEYQVVTR	R	V	95.00%	65.9	38.8	4.80	1	0	1344.64	445	455	446	
(Q08380) Galectin-3-binding protein precursor (Lectin galactoside-binding soluble 3-binding protein) (Mac-2-binding protein) (Mac-2 BP) (MAC2BP) (Tumor-associated antigen 90K)	LG3BP_HUMAN	65314	ALGFENATQALGR	R	A	95.00%	67.6	39	4.66	2	0	1348.69	64	76	69	
(Q08380) Galectin-3-binding protein precursor (Lectin galactoside-binding soluble 3-binding protein) (Mac-2-binding protein) (Mac-2 BP) (MAC2BP) (Tumor-associated antigen 90K)	LG3BP_HUMAN	65314	YKGLNLTEDTYKPR	R	I	95.00%	53.7	39.2	1.77	0	1	1698.87	394	407	398	
(Q08431) Lactadherin precursor (Milk fat globule-EGF factor 8) (MFG-E8) (HMFG) (Breast epithelial antigen BA46) (MFGM) [Contains: Lactadherin short form; Medin]	MFGM_HUMAN	43105	FELLGCELNGCANPLGLKNNSIPDK	R	Q	95.00%	88.5	38.8	4.92	0	1	2776.32	220	244		238
(Q08431) Lactadherin precursor (Milk fat globule-EGF factor 8) (MFG-E8) (HMFG) (Breast epithelial antigen BA46) (MFGM) [Contains: Lactadherin short form; Medin]	MFGM_HUMAN	43105	VAYSNDSANWTEYQDPR	K	T	95.00%	83.5	38.8	9.57	1	0	2016.86	321	337		325
(Q13510) Acid ceramidase precursor (EC 3.5.1.23) (Acylsphingosine deacylase) (N-acylsphingosine amidohydrolase) (AC) (Putative 32 kDa heart protein) (PHP32) [Contains: Acid ceramidase alpha subunit; Acid ceramidase beta subunit]	ASAH1_HUMAN	44633	TVLENSTSYEEAK	R	N	95.00%	86.5	38.8	3.82	2	0	1471.68	255	267	259	
(Q13510) Acid ceramidase precursor (EC 3.5.1.23) (Acylsphingosine deacylase) (N-acylsphingosine amidohydrolase) (AC) (Putative 32 kDa heart protein) (PHP32) [Contains: Acid ceramidase alpha subunit; Acid ceramidase beta subunit]	ASAH1_HUMAN	44633	TVLENSTSYEEAKNLLTK	R	T	95.00%	98.9	38.4	5.80	2	0	2041.03	255	272	259	
(Q14956) Transmembrane glycoprotein NMB precursor (Transmembrane glycoprotein HGFIN)	GPNMB_HUMAN	63905	VSVNTANVTLGPQLMEVTVYR	R	R	95.00%	65.0	38.4	5.00	2	0	2293.18	194	214		200
(Q16363) Laminin alpha-4 chain precursor	LAMA4_HUMAN	202512	EQMEVVNMSLSTSADSLTTPR	R	L	95.00%	0.0	0	5.02	1	0	2329.05	525	545		531
(Q16610) Extracellular matrix protein 1 precursor (Secretory component p85)	ECM1_HUMAN	60655	HIPGLIHNMTAR	K	C	95.00%	37.7	39.3	4.33	3	0	1376.71	437	448	444	
(Q16610) Extracellular matrix protein 1 precursor (Secretory component p85)	ECM1_HUMAN	60655	GQGEQGSTGGTNISSTSEPKEE	K	-	95.00%	73.9	38.9	4.80	1	0	2180.94	519	540		530
(Q5ZPR3) CD276 antigen precursor (Costimulatory molecule) (B7 homolog 3) (B7-H3) (4Ig-B7-H3)	CD276_HUMAN	57216	QLVHSFAEGQDQGSAYANR	K	T	95.00%	0.0	0	7.82	1	0	2061.93	74	92		91
(Q5ZPR3) CD276 antigen precursor (Costimulatory molecule) (B7 homolog 3) (B7-H3) (4Ig-B7-H3)	CD276_HUMAN	57216	TALFPDLLAQGNASLR	R	L	95.00%	53.6	39.1	5.74	1	0	1687.90	93	108		104
(Q6UVK1) Chondroitin sulfate proteoglycan 4 precursor (Chondroitin sulfate proteoglycan NG2) (Melanoma chondroitin sulfate proteoglycan) (Melanoma-associated chondroitin sulfate proteoglycan)	CSPG4_HUMAN	250476	LGLTPEATNASLLGCMEDLSVNGQR	R	R	95.00%	115.0	38	7.04	3	1	2648.26	340	364		348
(Q6UVK1) Chondroitin sulfate proteoglycan 4 precursor (Chondroitin sulfate proteoglycan NG2) (Melanoma chondroitin sulfate proteoglycan) (Melanoma-associated chondroitin sulfate proteoglycan)	CSPG4_HUMAN	250476	VANGSSLVVPQGGQGTIDTAVLHLDTNLDIR	R	S	95.00%	57.5	38.7	4.17	0	2	3161.64	1129	1159		1131
(Q6UVK1) Chondroitin sulfate proteoglycan 4 precursor (Chondroitin sulfate proteoglycan NG2) (Melanoma chondroitin sulfate proteoglycan) (Melanoma-associated chondroitin sulfate proteoglycan)	CSPG4_HUMAN	250476	AGQPATAFSQQDLLDGAVLYSHNGSLSPR	R	D	95.00%	83.7	38.5	4.28	0	2	3001.47	1180	1208		1202
(Q6UVK1) Chondroitin sulfate proteoglycan 4 precursor (Chondroitin sulfate proteoglycan NG2) (Melanoma chondroitin sulfate proteoglycan) (Melanoma-associated chondroitin sulfate proteoglycan)	CSPG4_HUMAN	250476	YVHDGSETLTDSFVLMANASEMDR	R	Q	95.00%	72.7	38.1	5.43	1	0	2721.17	1432	1455		1449
(Q6UVK1) Chondroitin sulfate proteoglycan 4 precursor (Chondroitin sulfate proteoglycan NG2) (Melanoma chondroitin sulfate proteoglycan) (Melanoma-associated chondroitin sulfate proteoglycan)	CSPG4_HUMAN	250476	LDPTVLDAGELANR	R	T	95.00%	105.0	39.1	5.55	2	0	1484.76	2063	2076	2075	
(Q86YB8) ERO1-like protein beta precursor (EC 1.8.4.-) (ERO1-Lbeta) (Oxidoreductin-1-Lbeta) (Endoplasmic oxidoreductin-1-like protein B)	ERO1B_HUMAN	53511	LGAINSTLSNQSK	K	E	95.00%	87.2	38.7	4.30	3	0	1334.68	136	148	140	145
(Q969P0) Immunoglobulin superfamily member 8 precursor (CD81 partner 3) (Glu-Trp-Ile EWI motif containing protein 2) (EWI-2) (Keratinocytes-associated transmembrane protein 4) (KCT-4) (LIR-D1) (CD316 antigen)	IGSF8_HUMAN	65015	IGPGEPLELLCNVSGALPPAGR	R	H	95.00%	56.6	38.9	10.10	2	0	2218.15	316	337		327
(Q96AY3) FK506-binding protein 10 precursor (EC 5.2.1.8) (Peptidyl-prolyl cis-trans isomerase) (PPIase) (Rotamase) (65 kDa FK506-binding protein) (FKBP65) (Immunophilin FKBP65)	FKB10_HUMAN	64228	YHYNGTFEDGK	R	K	95.00%	50.5	39.1	5.55	3	0	1331.55	67	77		70
(Q96AY3) FK506-binding protein 10 precursor (EC 5.2.1.8) (Peptidyl-prolyl cis-trans isomerase) (PPIase) (Rotamase) (65 kDa FK506-binding protein) (FKBP65) (Immunophilin FKBP65)	FKB10_HUMAN	64228	YHYNGTLLDGTSFDTSYSK	R	G	95.00%	114.0	38.8	8.16	2	2	2169.96	179	197	182	

(Q96AY3) FK506-binding protein 10 precursor (EC 5.2.1.8) (Peptidyl-prolyl cis-trans isomerase) (PPIase) (Rotamase) (65 kDa FK506-binding protein) (FKBP65) (Immunophilin FKBP65)	FKB10_HUMAN	64228	YHYNGSLMDGTLFDSSYSR	R	N	95.00%	92.1	38.2	9.64	2	1	2229.94	291	309		294
(Q96AY3) FK506-binding protein 10 precursor (EC 5.2.1.8) (Peptidyl-prolyl cis-trans isomerase) (PPIase) (Rotamase) (65 kDa FK506-binding protein) (FKBP65) (Immunophilin FKBP65)	FKB10_HUMAN	64228	TLSRPSETCNETTK	R	L	95.00%	56.5	39	3.48	1	0	1624.75	384	397		393
(Q96AY3) FK506-binding protein 10 precursor (EC 5.2.1.8) (Peptidyl-prolyl cis-trans isomerase) (PPIase) (Rotamase) (65 kDa FK506-binding protein) (FKBP65) (Immunophilin FKBP65)	FKB10_HUMAN	64228	YHYNCSLLDGTQLFTSHDYGAPQEATLGANK	R	V	95.00%	99.4	38.6	8.96	0	1	3473.56	404	434	407	
(Q96HE7) ERO1-like protein alpha precursor (EC 1.8.4.-) (ERO1-Lalpha) (Oxidoreductin-1-Lalpha) (Endoplasmic oxidoreductin-1-like protein) (ERO1-L)	ERO1A_HUMAN	54377	WGHNITEFQQR	K	F	95.00%	59.6	38.7	5.33	2	0	1416.67	277	287		280
(Q99538) Legumain precursor (EC 3.4.22.34) (Asparaginyl endopeptidase) (Protease, cysteine 1)	LGMN_HUMAN	49393	DLNETIHYMYK	K	H	95.00%	65.0	39	4.03	4	0	1427.65	165	175		167
(Q99988) Growth/differentiation factor 15 precursor (GDF-15) (Placental bone morphogenic protein) (Placental TGF-beta) (Macrophage inhibitory cytokine 1) (MIC-1) (Prostate differentiation factor) (NSAID-regulated protein 1) (NRG-1)	GDF15_HUMAN	34151	LRANQSWEDSNTDLVPAPAVR	R	I	95.00%	81.5	38.2	4.12	4	4	2340.16	67	87		70
(Q99988) Growth/differentiation factor 15 precursor (GDF-15) (Placental bone morphogenic protein) (Placental TGF-beta) (Macrophage inhibitory cytokine 1) (MIC-1) (Prostate differentiation factor) (NSAID-regulated protein 1) (NRG-1)	GDF15_HUMAN	34151	ANQSWEDSNTDLVPAPAVR	R	I	95.00%	75.3	38.2	8.00	2	0	2071.96	69	87		70
(Q9HDC9) Adipocyte plasma membrane-associated protein (BSCv protein)	APMAP_HUMAN	46464	AGPNGTLFVADAYK	R	G	95.00%	87.2	38.7	7.38	1	0	1424.71	157	170	160	
(Q9NYU2) UDP-glucose:glycoprotein glucosyltransferase 1 precursor (EC 2.4.1.-) (UDP-glucose ceramide glucosyltransferase-like 1) (UDP--Glc:glycoprotein glucosyltransferase) (HUGT1)	UGGG1_HUMAN	174965	GTEVNTTVIGENDPIDEVQGFLFGK	K	L	95.00%	75.3	37.5	7.32	1	0	2680.30	241	265		245
(Q9P2B2) Prostaglandin F2 receptor negative regulator precursor (Prostaglandin F2-alpha receptor regulatory protein) (Prostaglandin F2-alpha receptor-associated protein) (CD9 partner 1) (CD9P-1) (CD315 antigen)	FPRP_HUMAN	98538	ELDLTCNITTDR	K	A	95.00%	84.8	38.5	3.15	2	0	1451.67	294	305		300
(Q9UBG0) Macrophage mannose receptor 2 precursor (Urokinase receptor-associated protein) (Endocytic receptor 180) (CD280 antigen)	MRC2_HUMAN	166637	VTPACNTSLPAQR	R	W	95.00%	46.5	39	1.92	1	0	1415.70	64	76		69
(Q9UHG3) Prenylcysteine oxidase precursor (EC 1.8.3.5) (PCL1)	PCYOX_HUMAN	56595	GELNTSIFSSRPIDK	K	F	95.00%	73.8	39.1	4.68	1	0	1664.85	350	364	353	
(Q9UHL4) Dipeptidyl-peptidase 2 precursor (EC 3.4.14.2) (Dipeptidyl-peptidase II) (DPP II) (Dipeptidyl aminopeptidase II) (Quiescent cell proline dipeptidase) (Dipeptidyl peptidase 7)	DPP2_HUMAN	54311	ALAGLVYNASGSEHCYDIYR	R	L	95.00%	108.0	38.2	8.92	2	1	2260.03	308	327		315
(Q9Y4L1) 150 kDa oxygen-regulated protein precursor (Orp150) (Hypoxia up-regulated 1)	OXRP_HUMAN	111319	VFGSQNLTTVK	R	L	95.00%	78.9	39.3	5.35	3	0	1194.64	510	520	515	
(Q9Y4L1) 150 kDa oxygen-regulated protein precursor (Orp150) (Hypoxia up-regulated 1)	OXRP_HUMAN	111319	LSALDNLLNHSSMFLK	R	G	95.00%	64.2	38.9	4.89	3	1	1819.93	822	837	830	
(Q9Y4L1) 150 kDa oxygen-regulated protein precursor (Orp150) (Hypoxia up-regulated 1)	OXRP_HUMAN	111319	VINETWAWK	K	N	95.00%	60.0	39.2	3.25	1	0	1147.58	860	868	862	
(Q9Y4L1) 150 kDa oxygen-regulated protein precursor (Orp150) (Hypoxia up-regulated 1)	OXRP_HUMAN	111319	VINETWAWKNATLAEQAK	K	L	95.00%	91.3	38.9	5.27	1	2	2075.05	860	877	862, 869	
(Q9Y4L1) 150 kDa oxygen-regulated protein precursor (Orp150) (Hypoxia up-regulated 1)	OXRP_HUMAN	111319	AEPPLNASASDQGEK	R	V	95.00%	78.6	39	8.18	3	0	1514.70	926	940	931	
(Q9Y6C2) EMILIN-1 precursor (Elastin microfibril interface-located protein 1) (Elastin microfibril interfacer 1)	EMIL1_HUMAN	106677	ETNTTSQMQAALLEK	R	L	95.00%	82.0	38.7	6.92	2	0	1681.80	764	778		766
(Q9Y6C2) EMILIN-1 precursor (Elastin microfibril interface-located protein 1) (Elastin microfibril interfacer 1)	EMIL1_HUMAN	106677	LGALNSSLQLLEDR	R	L	95.00%	95.5	38.7	4.01	2	0	1529.82	790	803		794