

Total (Non-Glycosylated and Glycosylated(*)) Proteins Identified in 5 Thyroid Cancer Cells

Swiss-Prot Accession Number	Spectra Counts ARO-p65	Spectra counts ARO-p67	Spectra Counts DRO-p54	Spectra Counts DRO-p56	Spectra Counts XTC1-p13	Spectra Counts XTC1-p29	Spectra Counts TPC1-p13	Spectra Counts TPC1-p15	Spectra Counts FTC133-p17	Spectra Counts FTC133-p16	Protein Name	Subcellular location	Glycosylation	#Trans-membrane regions
O00115	8	16	42	27	42	64	33	44	12	13	Deoxyribonuclease-2-alpha precursor, Deoxyribonuclease II alpha, DNase II alpha, Acid DNase, Lysosomal DNase II, R31240_2	Lysosome.	*	0
O14773	92	182	88	57	54	122	72	170	22	13	Tripeptidyl-peptidase 1 precursor, Tripeptidyl-peptidase I, TPP-1, TPP-I, Tripeptidyl aminopeptidase, Lysosomal pepstatin-insensitive protease, LPIC, Cell growth-inhibiting gene 1 protein	Lysosome. Melanosome. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV.	*	0
P04062	57	81	32	45	63	135	32	86	23	7	Glucosylceramidase precursor, Beta-glucocerebrosidase, Acid beta-glucosidase, D-glucosyl-N-acylsphingosine glucohydrolase, Alglucerase, Imiglucerase	Lysosome membrane; Peripheral membrane protein; Luminal side. Note=Interaction with saposin-C promotes membrane association.	*	0
P06865	108	224	91	109	104	63	141	181	76	74	Beta-hexosaminidase subunit alpha precursor, N-acetyl-beta-glucosaminidase subunit alpha, Beta-N-acetylhexosaminidase subunit alpha, Hexosaminidase subunit A	Lysosome.	*	0
P07339	129	270	266	202	424	925	622	1452	344	407	Cathepsin D precursor	Lysosome. Melanosome. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV.	*	0
P07602	282	411	746	675	499	774	278	718	361	517	Proactivator polypeptide precursor	Lysosome.	*	0
P07686	101	154	89	121	174	204	143	205	90	91	Beta-hexosaminidase subunit beta precursor, N-acetyl-beta-glucosaminidase subunit beta, Beta-N-acetylhexosaminidase subunit beta, Hexosaminidase subunit B, Cervical cancer proto-oncogene 7 protein, HCC-7	Lysosome.	*	0
P07858	48	53	316	147	22	132	176	424	42	100	Cathepsin B precursor, Cathepsin B1, APP secretase, APPS	Lysosome. Melanosome. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV.	*	0
P10619	59	96	62	37	124	202	124	162	57	56	Lysosomal protective protein precursor, Cathepsin A, Carboxypeptidase C, Protective protein for beta-galactosidase	Lysosome.	*	0
P11279	41	31	21	11	74	49	41	88	36	48	Lysosome-associated membrane glycoprotein 1 precursor, LAMP-1, CD107a antigen	Cell membrane; Single-pass type I membrane protein. Endosome membrane; Single-pass type I membrane protein. Lysosome membrane; Single-pass type I membrane protein. Note=This protein shuttles between lysosomes, endosomes, and the plasma membrane.	*	1
P13987	134	165	277	17	132	353	106	253	26	46	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, HRF20, 1F5 antigen	Cell membrane; Lipid-anchor, GPI-anchor. Secreted. Note=Soluble form found in a number of tissues.	*	0
P14314	104	130	374	53	29	376	208	175	23	138	Glucosidase 2 subunit beta precursor, Glucosidase II subunit beta, Protein kinase C substrate, 60.1 kDa protein, heavy chain, PKCSH, 80K-H protein	Entry not found!	*	0
P15289	7	17	32	34	56	33	92	109	23	40	Arylsulfatase A precursor, ASA, Cerebroside-sulfatase	Lysosome.	*	0

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P15586	40	60	56	66	195	182	134	247	108	57	N-acetylglucosamine-6-sulfatase precursor, G6S, Glucosamine-6-sulfatase	Lysosome.	*	0
P16070	145	104	59	56	39	51	161	185	39	159	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, Epican, CDw44	Membrane; Single-pass type I membrane protein.	*	1
P16278	53	98	22	57	69	107	86	67	53	25	Beta-galactosidase precursor, Lactase, Acid beta-galactosidase, Elastin receptor 1	Isoform 1: Lysosome., Isoform 2: Cytoplasm, perinuclear region. Note=Localized to the perinuclear area of the cytoplasm but not to lysosomes.	*	0
P50897	22	43	76	32	12	43	67	188	10	10	Palmitoyl-protein thioesterase 1 precursor, PPT-1, Palmitoyl-protein hydrolase 1	Lysosome.	*	0
P61916	22	49	25	33	47	154	140	463	55	68	Epididymal secretory protein E1 precursor, Niemann-Pick disease type C2 protein, hE1	Secreted (Potential).	*	0
Q13510	16	48	39	23	46	34	49	111	29	5	Acid ceramidase precursor, Acylsphingosine deacylase, N-acylsphingosine amidohydrolase, AC, Putative 32 kDa heart protein, PHP32	Lysosome.	*	0
Q92820	50	53	101	92	77	141	130	230	20	31	Gamma-glutamyl hydrolase precursor, Gamma-Glu-X carboxypeptidase, Conjugase, GH	Secreted, extracellular space. Lysosome. Melanosome. Note=While its intracellular location is primarily the lysosome, most of the enzyme activity is secreted. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.	*	0
Q96HE7	147	189	254	193	7	141	153	171	121	290	ERO1-like protein alpha precursor, ERO1-Lalpha, Oxidoreductin-1-Lalpha, Endoplasmic oxidoreductin-1-like protein, ERO1-L	Endoplasmic reticulum membrane; Peripheral membrane protein; Luminal side. Note=The association with TXNDC4 is essential for its retention in the endoplasmic reticulum.	*	0
Q9UBR2	13	38	18	55	69	85	216	306	23	34	Cathepsin Z precursor, Cathepsin X, Cathepsin P	Lysosome.	*	0
Q9UHL4	63	116	48	72	50	93	118	195	34	2	Dipeptidyl-peptidase 2 precursor, Dipeptidyl-peptidase II, DPP II, Dipeptidyl aminopeptidase II, Quiescent cell proline dipeptidase, Dipeptidyl peptidase 7	Lysosome. Cytoplasmic vesicle.	*	0
Q9Y4L1	230	468	570	572	27	300	156	143	85	306	Hypoxia up-regulated protein 1 precursor, 150 kDa oxygen-regulated protein, Orp150	Endoplasmic reticulum lumen.	*	0
O00462		28					13	25			Beta-mannosidase precursor, Lysosomal beta A mannosidase, Mannanase, Mannase	Lysosome.	*	0
O00468	169	167				104	7	61		2	Agrin precursor	Secreted, extracellular space, extracellular matrix. Note=Synaptic basal lamina at the neuromuscular junction (By similarity).	*	0
O00469						14	3				Procollagen-lysine,2-oxoglutarate 5-dioxygenase 2 precursor, Lysyl hydroxylase 2, LH2	Rough endoplasmic reticulum membrane; Peripheral membrane protein; Luminal side.	*	0
O00584	20	37		4		4	108	208			Ribonuclease T2 precursor, Ribonuclease 6	Secreted (Potential).	*	0
O00754	3	5	10	20	11	66	85	36	13		Lysosomal alpha-mannosidase precursor, Mannosidase, alpha B, Lysosomal acid alpha-mannosidase, Laman, Mannosidase alpha class 2B member 1	Lysosome.	*	0

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O14672	47	30				21	21	27			ADAM 10 precursor, A disintegrin and metalloproteinase domain 10, Mammalian disintegrin-metalloprotease, Kuzbanian protein homolog, CD156c antigen, CDw156	Cell membrane; Single-pass type I membrane protein. Intracytoplasmic membrane; Single-pass type I membrane protein. Note=Is localized in the plasma membrane but is predominantly expressed in the Golgi apparatus and in released membrane vesicles derived likely from the Golgi.	*	1
O14786								9			Neuropilin-1 precursor, Vascular endothelial cell growth factor 165 receptor, CD304 antigen	Cell membrane; Single-pass type I membrane protein., Isoform 2: Secreted.	*	1
O15031	21	36			6	9	8	14			Plexin-B2 precursor, MM1	Membrane; Single-pass type I membrane protein.	*	1
O15118					5						Niemann-Pick C1 protein precursor	Late endosome membrane; Single-pass membrane protein. Lysosome membrane; Single-pass membrane protein.	*	11
O15230	2	5				4		7			Laminin subunit alpha-5 precursor	Secreted, extracellular space, extracellular matrix, basement membrane. Note=Major component.	*	0
O15460				4							Prolyl 4-hydroxylase subunit alpha-2 precursor, 4-PH alpha-2, Procollagen-proline,2-oxoglutarate-4-dioxygenase subunit alpha-2	Endoplasmic reticulum lumen.	*	0
O43278	10	23									Kunitz-type protease inhibitor 1 precursor, Hepatocyte growth factor activator inhibitor type 1, HAI-1	Secreted.	*	0
O43490	3	3									Prominin-1 precursor, Prominin-like protein 1, Antigen AC133, CD133 antigen	Apical cell membrane; Multi-pass membrane protein (By similarity). Cell projection, microvillus membrane; Multi-pass membrane protein (By similarity).	*	5
O43570	19	17				17	6	16			Carbonic anhydrase 12 precursor, Carbonic anhydrase XII, Carbonate dehydratase XII, CA-XII, Tumor antigen HOM-RCC-3.1.3	Membrane; Single-pass type I membrane protein.	*	1
O43852			25	311	136	39			116	740	Calumenin precursor, Crocalbin, IEF SSP 9302	Endoplasmic reticulum lumen. Secreted. Melanosome. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV.	*	0
O60568			39	88							Procollagen-lysine,2-oxoglutarate 5-dioxygenase 3 precursor, Lysyl hydroxylase 3, LH3	Rough endoplasmic reticulum membrane; Peripheral membrane protein; Luminal side.	*	0
O60635	5										Tetraspanin-1, Tspan-1, Tetraspan NET-1, Tetraspanin TM4-C	Membrane; Multi-pass membrane protein (Probable).	*	4
O60637	6										Tetraspanin-3, Tspan-3, Transmembrane 4 superfamily member 8, Tetraspanin TM4-A	Membrane; Multi-pass membrane protein (Probable).	*	4
O75503	4	5					8	10			Ceroid-lipofuscinosis neuronal protein 5 precursor, Protein CLN5	Lysosome.	*	0
O75629						32	11	32			Protein CREG1 precursor, Cellular repressor of E1A-stimulated genes 1	Secreted.	*	0
O75882					5		5				Attractin precursor, Mahogany homolog, DPPT-L	Isoform 1: Cell membrane; Single-pass type I membrane protein., Isoform 2: Secreted., Isoform 3: Secreted.	*	1

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O75976	2	4			22	37				Carboxypeptidase D precursor, Metalloprotease D, gp180	Membrane; Single-pass type I membrane protein (Potential).	*	1	
O94907		7								Dickkopf-related protein 1 precursor, Dkk-1, Dickkopf-1, hDkk-1, SK	Secreted.	*	0	
O94985							2			Calsyntenin-1 precursor, Alcadin-alpha, Alc-alpha, Alzheimer-related cadherin-like protein, Non-classical cadherin XB31alpha	Endoplasmic reticulum membrane; Single-pass type I membrane protein. Golgi apparatus membrane. Cell projection. Note=Neurite tips. Localized in the postsynaptic membrane of both excitatory and inhibitory synapses (By similarity). The AlclCD fragment is translocated to the nucleus upon interaction with APBB1.	*	1	
O95302						5				FK506-binding protein 9 precursor, Peptidyl-prolyl cis-trans isomerase, PPIase, Rotamase	Endoplasmic reticulum (By similarity).	*	0	
O95858	5									Tetraspanin-15, Tspan-15, Transmembrane 4 superfamily member 15, Tetraspan NET-7	Membrane; Multi-pass membrane protein (Probable).	*	4	
P00533					3	7	6	4		Epidermal growth factor receptor precursor, Receptor tyrosine-protein kinase ErbB-1	Cell membrane; Single-pass type I membrane protein., Isoform 2: Secreted.	*	1	
P00749						12		15		Urokinase-type plasminogen activator precursor, U-plasminogen activator, uPA	Secreted.	*	0	
P00750			11							Tissue-type plasminogen activator precursor, t-plasminogen activator, t-PA, tPA, Alteplase, Reteplase	Secreted, extracellular space.	*	0	
P01009	101	147								Alpha-1-antitrypsin precursor, Alpha-1 protease inhibitor, Alpha-1-antiproteinase	Secreted.	*	0	
P01011			3804	1960			4	11	158	99	Alpha-1-antichymotrypsin precursor, ACT, Cell growth-inhibiting gene 24/25 protein	Secreted.	*	0
P01019	8	11					18				Angiotensinogen precursor, Serpin A8	Secreted.	*	0
P01023	3	11	30	27							Alpha-2-macroglobulin precursor, Alpha-2-M, C3 and PZP-like alpha-2-macroglobulin domain-containing protein 5	Secreted.	*	0
P01024								5			Complement C3 precursor, C3 and PZP-like alpha-2-macroglobulin domain-containing protein 1	Secreted.	*	0
P01033	9					25	5	11			Metalloproteinase inhibitor 1 precursor, TIMP-1, Erythroid-potentiating activity, EPA, Tissue inhibitor of metalloproteinases, Fibroblast collagenase inhibitor, Collagenase inhibitor	Secreted.	*	0
P01137	2	6					5				Transforming growth factor beta-1 precursor, TGF-beta-1	Secreted.	*	0
P01892		3					4				HLA class I histocompatibility antigen, A-2 alpha chain precursor, MHC class I antigen A*2	Membrane; Single-pass type I membrane protein.	*	1
P02462			24				34	12			Collagen alpha-1(IV) chain precursor, Arresten	Secreted, extracellular space, extracellular matrix, basement membrane.	*	0
P02649	4	7									Apolipoprotein E precursor, Apo-E	Secreted.	*	0
P02750		2									Leucine-rich alpha-2-glycoprotein precursor, LRG	Secreted.	*	0
P02751						31	125	408			Fibronectin precursor, FN, Cold-insoluble globulin, CIG	Secreted, extracellular space, extracellular matrix.	*	0
P02765		3									Alpha-2-HS-glycoprotein precursor, Fetuin-A, Alpha-2-Z-globulin, Ba-alpha-2-glycoprotein	Secreted.	*	0
P02768	10	9	12	8	28	8	8	85		11	Serum albumin precursor	Secreted.	*	0
P02771	3										Alpha-fetoprotein precursor, Alpha-fetoglobulin, Alpha-1-fetoprotein	Secreted.	*	0
P02774		11									Vitamin D-binding protein precursor, DBP, Group-specific component, Gc-globulin, VDB	Secreted.	*	0

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P02786		7								Transferrin receptor protein 1, Tfr1, TR, Tfr, Trfr, CD71 antigen, T9, p90	Cell membrane; Single-pass type II membrane protein. Melanosome. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV., Transferrin receptor protein 1, serum form: Secreted.	*	1	
P02787			273	56						Serotransferrin precursor, Transferrin, Siderophilin, Beta-1-metal-binding globulin	Secreted.	*	0	
P04004	11	8	8	10		9			9	Vitronectin precursor, Serum-spreading factor, S-protein, V75	Secreted, extracellular space.	*	0	
P04216					97	268			90	147	Thy-1 membrane glycoprotein precursor, Thy-1 antigen, CD90 antigen, CDw90	Cell membrane; Lipid-anchor, GPI-anchor (By similarity).	*	0
P04233					11	31					HLA class II histocompatibility antigen gamma chain, HLA-DR antigens-associated invariant chain, Ia antigen-associated invariant chain, li, p33, CD74 antigen	Membrane; Single-pass type II membrane protein (Potential).	*	1
P04439										12	HLA class I histocompatibility antigen, A-3 alpha chain precursor, MHC class I antigen A*3	Membrane; Single-pass type I membrane protein.	*	1
P04843					2						Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 1 precursor, Dolichyl-diphosphooligosaccharide--protein glycosyltransferase 67 kDa subunit, Ribophorin-1, Ribophorin I, RPN-I	Endoplasmic reticulum membrane; Single-pass type I membrane protein. Melanosome. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV.	*	1
P04844			11	15	2					6	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 2 precursor, Dolichyl-diphosphooligosaccharide--protein glycosyltransferase 63 kDa subunit, Ribophorin-2, Ribophorin II, RPN-II, RIBIIR	Endoplasmic reticulum membrane; Multi-pass membrane protein (Potential).	*	3
P05026	13	14			6	12					Sodium/potassium-transporting ATPase subunit beta-1, Sodium/potassium-dependent ATPase subunit beta-1	Membrane; Single-pass type II membrane protein.	*	1

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P05067	5	5					6			Amyloid beta A4 protein precursor, APP, ABPP, Alzheimer disease amyloid protein, Cerebral vascular amyloid peptide, CVAP, Protease nexin-II, PN-II, APPI, PreA4	Membrane; Single-pass type I membrane protein. Note=Cell surface protein that rapidly becomes internalized via clathrin-coated pits. During maturation, the immature APP (N-glycosylated in the endoplasmic reticulum) moves to the Golgi complex where complete maturation occurs (O-glycosylated and sulfated). After alpha-secretase cleavage, soluble APP is released into the extracellular space and the C-terminal is internalized to endosomes and lysosomes. Some APP accumulates in secretory transport vesicles leaving the late Golgi compartment and returns to the cell surface. Gamma-CTF(59) peptide is located to both the cytoplasm and nuclei of neurons. It can be translocated to the nucleus through association with Fe65. Beta-APP42 associates with FRPL1 at the cell surface and the complex is then rapidly internalized. APP sorts to the basolateral surface in epithelial cells. During neuronal	*	1
P05090			5							Apolipoprotein D precursor, Apo-D, ApoD	Secreted.	*	0
P05106					2	21	123	123		Integrin beta-3 precursor, Platelet membrane glycoprotein IIIa, GPIIIa, CD61 antigen	Membrane; Single-pass type I membrane protein.	*	1
P05362	10	22	77	10	51	85	25	53		Intercellular adhesion molecule 1 precursor, ICAM-1, Major group rhinovirus receptor, CD54 antigen	Membrane; Single-pass type I membrane protein.	*	1
P05556	66	50			24	103	306	452	113	Integrin beta-1 precursor, Fibronectin receptor subunit beta, Integrin VLA-4 subunit beta, CD29 antigen	Cell membrane; Single-pass type I membrane protein. Melanosome. Note=Isoform beta-1B does not localize to focal adhesions. Highly enriched in stage I melanosomes.	*	1
P05783					46					Keratin, type I cytoskeletal 18, Cytokeratin-18, CK-18, Keratin-18, K18, Cell proliferation-inducing gene 46 protein	Cytoplasm, perinuclear region.	*	0
P05997							10	9		Collagen alpha-2(V) chain precursor	Secreted, extracellular space, extracellular matrix (By similarity).	*	0
P06276					10	54				Cholinesterase precursor, Acylcholine acylhydrolase, Choline esterase II, Butyrylcholine esterase, Pseudocholinesterase	Entry not found!	*	0
P06280	3	7			4		19			Alpha-galactosidase A precursor, Melibiase, Alpha-D-galactoside galactohydrolase, Alpha-D-galactosidase A, Agalsidase	Lysosome.	*	0
P06756	83	45	62	4	51	118	292	350	49	Integrin alpha-V precursor, Vitronectin receptor subunit alpha, CD51 antigen	Membrane; Single-pass type I membrane protein.	*	1
P07093				10						Glia-derived nexin precursor, GDN, Protease nexin I, PN-1, Protease inhibitor 7	Secreted, extracellular space.	*	0
P07225		11				6				Vitamin K-dependent protein S precursor	Secreted.	*	0
P07711			93	27	20	135	15	55	13	Cathepsin L1 precursor, Major excreted protein, MEP	Lysosome.	*	0

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P07942	12	52	151	104		32	45	55	65	147	Laminin subunit beta-1 precursor, Laminin B1 chain	Secreted, extracellular space, extracellular matrix, basement membrane. Note=Major component.	*	0	
P07996							36	23			Thrombospondin-1 precursor	Entry not found!	*	0	
P08123										4	Collagen alpha-2(I) chain precursor, Alpha-2 type I collagen	Secreted, extracellular space, extracellular matrix (By similarity).	*	0	
P08174	4	2	48	14	3	23				2	16	Complement decay-accelerating factor precursor, CD55 antigen	Isoform 1: Membrane; Single-pass type I membrane protein., Isoform 2: Cell membrane; Lipid-anchor, GPI-anchor.	*	0
P08195	26	51	24	8	21	19	14	10				4F2 cell-surface antigen heavy chain, 4F2hc, Lymphocyte activation antigen 4F2 large subunit, 4F2 heavy chain antigen, CD98 antigen	Membrane; Single-pass type II membrane protein. Melanosome. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV.	*	1
P08236	36	35	35		4		15	16				Beta-glucuronidase precursor, Beta-G1	Lysosome.	*	0
P08294			54	30								Extracellular superoxide dismutase [Cu-Zn] precursor, EC-SOD	Secreted, extracellular space. Note=99% of EC-SOD is anchored to heparan sulfate proteoglycans in the tissue interstitium, and 1% is located in the vasculature in equilibrium between the plasma and the endothelium.	*	0
P08571					43	84						Monocyte differentiation antigen CD14 precursor, Myeloid cell-specific leucine-rich glycoprotein	Cell membrane; Lipid-anchor, GPI-anchor.	*	0
P08572			49	15			10	20	6	8		Collagen alpha-2(IV) chain precursor	Secreted, extracellular space, extracellular matrix, basement membrane.	*	0
P08581						8	2					Hepatocyte growth factor receptor precursor, HGF receptor, Scatter factor receptor, SF receptor, HGF/SF receptor, Met proto-oncogene tyrosine kinase, c-Met	Membrane; Single-pass type I membrane protein.	*	1
P08582			11	12	27	74						Melanotransferrin precursor, Melanoma-associated antigen p97, CD228 antigen	Isoform 1: Cell membrane; Lipid-anchor, GPI-anchor.	*	0
P08648					10	21	28	20		58		Integrin alpha-5 precursor, Fibronectin receptor subunit alpha, Integrin alpha-F, VLA-5, CD49e antigen	Membrane; Single-pass type I membrane protein.	*	1
P08962	23	10	26		27	63				17		CD63 antigen, Melanoma-associated antigen ME491, Ocular melanoma-associated antigen, OMA81H, Granulophysin, Tetraspanin-30, Tspan-30, Lysosomal-associated membrane protein 3, Lamp-3	Cell membrane; Multi-pass membrane protein. Lysosome membrane; Multi-pass membrane protein. Late endosome membrane; Multi-pass membrane protein. Note=Also found in Weibel-Palade bodies of endothelial cells.	*	4
P09486			25	87	35	59						SPARC precursor, Secreted protein acidic and rich in cysteine, Osteonectin, ON, Basement-membrane protein 40, BM-40	Secreted, extracellular space, extracellular matrix, basement membrane. Note=In or around the basement membrane.	*	0
P09603						10						Macrophage colony-stimulating factor 1 precursor, CSF-1, MCSF, M-CSF, Lanimostim	Cell membrane; Single-pass membrane protein (By similarity)., Processed macrophage colony-stimulating factor 1: Secreted, extracellular space (By similarity).	*	1
P09668	43	94		8	13	34						Cathepsin H precursor	Lysosome.	*	0

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P0C0L5						26					Complement C4-B precursor, Basic complement C4, C3 and PZP-like alpha-2-macroglobulin domain-containing protein 3	Secreted.	*	0
P10253	247	331		199	130	233	195	286	4	15	Lysosomal alpha-glucosidase precursor, Acid maltase, Aglucosidase alfa	Lysosome.	*	0
P10586		2									Receptor-type tyrosine-protein phosphatase F precursor, LAR protein, Leukocyte antigen related	Membrane; Single-pass type I membrane protein.	*	1
P10646	4	4									Tissue factor pathway inhibitor precursor, TFPI, Lipoprotein-associated coagulation inhibitor, LACI, Extrinsic pathway inhibitor, EPI	Secreted.	*	0
P10909		4			12	14					Clusterin precursor, Complement-associated protein SP-40,40, Complement cytolytic inhibitor, CLI, NA1/NA2, Apolipoprotein J, Apo-J, Testosterone-repressed prostate message 2, TRPM-2, Ku70-binding protein 1	Secreted.	*	0
P10915			153	20							Hyaluronan and proteoglycan link protein 1 precursor, Proteoglycan link protein, Cartilage link protein, LP	Secreted, extracellular space, extracellular matrix.	*	0
P11047			95	81		51	59	37	18	40	Laminin subunit gamma-1 precursor, Laminin B2 chain	Secreted, extracellular space, extracellular matrix, basement membrane.	*	0
P11117	19	22	6		10	17	10	35	13		Lysosomal acid phosphatase precursor, LAP	Lysosome.	*	0
P11166	44	16					5			22	Solute carrier family 2, facilitated glucose transporter member 1, Glucose transporter type 1, erythrocyte/brain, GLUT-1, HepG2 glucose transporter	Cell membrane; Multi-pass membrane protein (By similarity). Melanosome. Note=Localizes primarily at the cell surface (By similarity). Identified by mass spectrometry in melanosome fractions from stage I to stage IV.	*	12
P11717	12	37	4		3	7	8	41		15	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 kDa mannose 6-phosphate receptor, MPR 300, MPR300, CD222 antigen	Lysosome membrane; Single-pass type I membrane protein.	*	1
P12109			67	24		64	6	34	76	246	Collagen alpha-1(VI) chain precursor	Secreted, extracellular space, extracellular matrix (By similarity).	*	0
P12110								3		6	Collagen alpha-2(VI) chain precursor	Secreted, extracellular space, extracellular matrix. Membrane; Peripheral membrane protein. Note=Recruited on membranes by CSPG4.	*	0
P12830	9	56				12					Epithelial cadherin precursor, E-cadherin, Uvomorulin, Cadherin-1, CAM 120/80, CD324 antigen	Cell junction. Cell membrane; Single-pass type I membrane protein. Note=Colocalizes with DLG7 at sites of cell-cell contact in intestinal epithelial cells. Anchored to actin microfilaments through association with alpha-, beta- and gamma-catenin. Sequential proteolysis induced by apoptosis or calcium influx, results in translocation from sites of cell-cell contact to the cytoplasm.	*	1
P13284	19	27	11		30	60	15		10	10	Gamma-interferon-inducible lysosomal thiol reductase precursor, Gamma-interferon-inducible protein IP-30	Lysosome.	*	0

Total Protein Identified

P13473	54	43	31	11	58	20	12	44	20		Lysosome-associated membrane glycoprotein 2 precursor, LAMP-2, CD107b antigen	Cell membrane; Single-pass type I membrane protein. Endosome membrane; Single-pass type I membrane protein. Lysosome membrane; Single-pass type I membrane protein. Note=This protein shuttles between lysosomes, endosomes, and the plasma membrane.	*	1
P13591					11	33	12	41		11	Neural cell adhesion molecule 1, 140 kDa isoform precursor, N-CAM 140, NCAM-140, CD56 antigen	Cell membrane; Single-pass type I membrane protein.	*	1
P13611			24	19		23	72	147			Versican core protein precursor, Large fibroblast proteoglycan, Chondroitin sulfate proteoglycan core protein 2, PG-M, Glial hyaluronate-binding protein, GHAP	Secreted, extracellular space, extracellular matrix.	*	0
P13674										13	Prolyl 4-hydroxylase subunit alpha-1 precursor, 4-PH alpha-1, Procollagen-proline,2-oxoglutarate-4-dioxygenase subunit alpha-1	Endoplasmic reticulum lumen.	*	0
P14384						14		6			Carboxypeptidase M precursor, CPM	Cell membrane; Lipid-anchor, GPI-anchor.	*	0
P14625	10	23	250	120	34	18			14	127	Endoplasmic precursor, Heat shock protein 90 kDa beta member 1, 94 kDa glucose-regulated protein, GRP94, gp96 homolog, Tumor rejection antigen 1	Endoplasmic reticulum lumen. Melanosome. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV.	*	0
P15151	5	7									Poliovirus receptor precursor, Nectin-like protein 5, Necl-5, CD155 antigen	Isoform Alpha: Cell membrane; Single-pass type I membrane protein., Isoform Delta: Cell membrane; Single-pass type I membrane protein., Isoform Beta: Secreted., Isoform Gamma: Secreted.	*	1
P15529	20	23				8					Membrane cofactor protein precursor, Trophoblast leukocyte common antigen, TLX, CD46 antigen	Acrosome inner membrane; Single-pass type I membrane protein. Note=Inner acrosomal membrane of spermatozoa. Internalized upon binding of Measles virus, Herpesvirus 6 or Neisseria gonorrhoeae, which results in an increased susceptibility of infected cells to complement-mediated injury. In cancer cells or cells infected by Neisseria, shedding leads to a soluble peptide.	*	1
P15848					7	7	9	28			Arylsulfatase B precursor, ASB, N-acetylgalactosamine-4-sulfatase, G4S	Lysosome.	*	0

Total Protein Identified

P15941					18	20					Mucin-1 precursor, MUC-1, Polymorphic epithelial mucin, PEM, PEMT, Episialin, Tumor-associated mucin, Carcinoma-associated mucin, Tumor-associated epithelial membrane antigen, EMA, H23AG, Peanut-reactive urinary mucin, PUM, Breast carcinoma-associated antigen DF3, CD227 antigen	Apical cell membrane; Single-pass type I membrane protein. Note=Exclusively located in the apical domain of the plasma membrane of highly polarized epithelial cells. After endocytosis, internalized and recycled to the cell membrane. Located to microvilli and to the tips of long filopodial protrusions. Isoform 5: Secreted., Isoform 7: Secreted., Isoform 9: Secreted., Mucin-1 subunit beta: Cell membrane. Cytoplasm. Nucleus. Note=On EGF and PDGFRB stimulation, transported to the nucleus through interaction with CTNNB1, a process which is stimulated by phosphorylation. On HRG stimulation, colocalizes with JUP/gamma-catenin at the nucleus.	*	1
P16112			34	20							Aggrecan core protein precursor, Cartilage-specific proteoglycan core protein, CSPCP, Chondroitin sulfate proteoglycan core protein 1	Secreted, extracellular space, extracellular matrix (By similarity).	*	0
P16422	68	97									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 antigen, Cell surface glycoprotein Trop-1, CD326 antigen	Membrane; Single-pass type I membrane protein.	*	1
P17050	3	17	37	45	43	47	113	96	11		Alpha-N-acetylgalactosaminidase precursor, Alpha-galactosidase B	Lysosome.	*	0
P17301	61	37			14	17	13	17			Integrin alpha-2 precursor, Platelet membrane glycoprotein Ia, GPIa, Collagen receptor, VLA-2 alpha chain, CD49b antigen	Membrane; Single-pass type I membrane protein.	*	1
P17405								9			Sphingomyelin phosphodiesterase precursor, Acid sphingomyelinase, aSMase	Lysosome.	*	0
P17813							5			19	Endoglin precursor, CD105 antigen	Membrane; Single-pass type I membrane protein.	*	1
P17900	3	7		21	29	40		43	11	21	Ganglioside GM2 activator precursor, GM2-AP, Cerebroside sulfate activator protein, Shingolipid activator protein 3, SAP-3	Lysosome.	*	0
P17936			51								Insulin-like growth factor-binding protein 3 precursor, IGF-binding protein 3, IGFBP-3, IBP-3	Secreted.	*	0
P18084	23	15		2		20	27	46		8	Integrin beta-5 precursor	Membrane; Single-pass type I membrane protein.	*	1
P18827										16	Syndecan-1 precursor, SYND1, CD138 antigen	Membrane; Single-pass type I membrane protein.	*	1
P19022			2		16	41	16	17		13	Cadherin-2 precursor, Neural cadherin, N-cadherin, CD325 antigen, CDw325	Cell membrane; Single-pass type I membrane protein.	*	1
P19075	66	40									Tetraspanin-8, Tspan-8, Transmembrane 4 superfamily member 3, Tumor-associated antigen CO-029	Membrane; Multi-pass membrane protein.	*	4
P19440	9				2	2					Gamma-glutamyltranspeptidase 1 precursor, Gamma-glutamyltransferase 1, GGT 1, CD224 antigen	Membrane; Single-pass type II membrane protein.	*	1
P20645								5			Cation-dependent mannose-6-phosphate receptor precursor, CD Man-6-P receptor, CD-MPR, 46 kDa mannose 6-phosphate receptor, MPR 46	Lysosome membrane; Single-pass type I membrane protein.	*	1

Total Protein Identified

P20933	5	18	21	10	10		18	71	5		N(4)-(beta-N-acetylglucosaminy)-L-asparaginase precursor, Glycosylasparaginase, Aspartylglucosaminidase, N4-(N-acetyl-beta-glucosaminy)-L-asparagine amidase, AGA	Lysosome.	*	0
P21589	9	18	7		5	43	98	110	13	63	5'-nucleotidase precursor, Ecto-5'-nucleotidase, 5'-NT, CD73 antigen	Cell membrane; Lipid-anchor, GPI-anchor.	*	0
P21926	12	20			8	56	9			18	CD9 antigen, p24, Leukocyte antigen MIC3, Motility-related protein, MRP-1, Tetraspanin-29, Tspan-29, 5H9 antigen, Cell growth-inhibiting gene 2 protein	Membrane; Multi-pass membrane protein.	*	4
P22304		3								6	Iduronate 2-sulfatase precursor, Alpha-L-iduronate sulfate sulfatase, Idursulfase	Lysosome.	*	0
P23229	10	6									Integrin alpha-6 precursor, VLA-6, CD49f antigen	Membrane; Single-pass type I membrane protein.	*	1
P23470					2		7	6			Receptor-type tyrosine-protein phosphatase gamma precursor, Protein-tyrosine phosphatase gamma, R-PTP-gamma	Membrane; Single-pass type I membrane protein (Probable).	*	1
P24821			104	255		62	61	11			Tenascin precursor, TN, Tenascin-C, TN-C, Hexabrachion, Cytotactin, Neuronectin, GMEM, JI, Myotendinous antigen, Glioma-associated-extracellular matrix antigen, GP 150-225	Secreted, extracellular space, extracellular matrix.	*	0
P25311		2									Zinc-alpha-2-glycoprotein precursor, Zn-alpha-2-glycoprotein, Zn-alpha-2-GP	Secreted.	*	0
P25942							5	12			Tumor necrosis factor receptor superfamily member 5 precursor, CD40L receptor, B-cell surface antigen CD40, Bp50, CD40 antigen, CDw40	Isoform I: Cell membrane; Single-pass type I membrane protein., Isoform II: Secreted.	*	1
P26006	10				9	17	182	178		28	Integrin alpha-3 precursor, Galactoprotein B3, GAPB3, VLA-3 alpha chain, FRP-2, CD49c antigen	Membrane; Single-pass type I membrane protein.	*	1
P27487	100	106			26	86	106	235			Dipeptidyl peptidase 4, Dipeptidyl peptidase IV, DPP IV, T-cell activation antigen CD26, TP103, Adenosine deaminase complexing protein 2, ADABP	Dipeptidyl peptidase 4 soluble form: Secreted., Cell membrane; Single-pass type II membrane protein.	*	1
P27701	2										CD82 antigen, Inducible membrane protein R2, C33 antigen, IA4, Metastasis suppressor Kangai 1, Suppressor of tumorigenicity-6, Tetraspanin-27, Tspan-27	Membrane; Multi-pass membrane protein.	*	4
P28799	19	18			16	46	14	28			Granulins precursor, Proepithelin, PEPI	Secreted.	*	0
P28827								14			Receptor-type tyrosine-protein phosphatase mu precursor, Protein-tyrosine phosphatase mu, R-PTP-mu	Membrane; Single-pass type I membrane protein.	*	1
P29323		6				4	2				Ephrin type-B receptor 2 precursor, Tyrosine-protein kinase receptor EPH-3, DRT, Receptor protein-tyrosine kinase HEK5, ERK, Tyrosine-protein kinase TYRO5, Renal carcinoma antigen NY-REN-47	Membrane; Single-pass type I membrane protein.	*	1
P30447					34	40	6	10			HLA class I histocompatibility antigen, A-23 alpha chain precursor, MHC class I antigen A*23, A-9	Membrane; Single-pass type I membrane protein.	*	1
P30464			8								HLA class I histocompatibility antigen, B-15 alpha chain precursor, MHC class I antigen B*15	Membrane; Single-pass type I membrane protein.	*	1
P30481					31	43					HLA class I histocompatibility antigen, B-44 alpha chain precursor, MHC class I antigen B*44, Bw-44	Membrane; Single-pass type I membrane protein.	*	1
P30508							31				HLA class I histocompatibility antigen, Cw-12 alpha chain precursor, MHC class I antigen Cw*12	Membrane; Single-pass type I membrane protein.	*	1
P30530								3			Tyrosine-protein kinase receptor UFO precursor, AXL oncogene	Membrane; Single-pass type I membrane protein.	*	1
P30533	13	9	8			11					Alpha-2-macroglobulin receptor-associated protein precursor, Alpha-2-MRAP, Low density lipoprotein receptor-related protein-associated protein 1, RAP	Endoplasmic reticulum. Cytoplasm. Cell surface. Note=Intracellular and associated with cell surface receptors. Found in the endoplasmic reticulum.	*	0
P30685							6				HLA class I histocompatibility antigen, B-35 alpha chain precursor, MHC class I antigen B*35	Membrane; Single-pass type I membrane protein.	*	1
P31431						9					Syndecan-4 precursor, SYND4, Amphiglycan, Ryudocan core protein	Membrane; Single-pass type I membrane protein.	*	1
P32970					30	79			5	34	CD70 antigen, CD27 ligand, CD27-L, Tumor necrosis factor ligand superfamily member 7	Membrane; Single-pass type II membrane protein.	*	1

Total Protein Identified

P34059	20	40	12	16	28	41	27	48		7	N-acetylgalactosamine-6-sulfatase precursor, N-acetylgalactosamine-6-sulfate sulfatase, Galactose-6-sulfate sulfatase, GalNAc6S sulfatase, Chondroitinsulfatase, Chondroitinase	Lysosome.	*	0
P35052			14	5	4	55			5	39	Glypican-1 precursor	Cell membrane; Lipid-anchor, GPI-anchor; Extracellular side.	*	0
P35475		6						12			Alpha-L-iduronidase precursor	Lysosome.	*	0
P35555							6				Fibrillin-1 precursor	Secreted, extracellular space, extracellular matrix.	*	0
P35613	116	77	28		31	89	77	124		60	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, CD147 antigen	Cell membrane; Single-pass type I membrane protein (By similarity). Melanosome. Note=Colocalizes with SLC16A1 and SLC16A8 (By similarity). Identified by mass spectrometry in melanosome fractions from stage I to stage IV.	*	1
P37198		7									Nuclear pore glycoprotein p62, 62 kDa nucleoporin	Nucleus, nuclear pore complex. Note=Central region of the nuclear pore, within the transporter. During mitotic cell division, it associates with the poles of the mitotic spindle.	*	0
P39060						18	2	18			Collagen alpha-1(XVIII) chain precursor	Secreted, extracellular space, extracellular matrix (By similarity).	*	0
P41222					14	26					Prostaglandin-H2 D-isomerase precursor, Lipocalin-type prostaglandin-D synthase, Glutathione-independent PGD synthetase, Prostaglandin-D2 synthase, PGD2 synthase, PGDS2, PGDS, Beta-trace protein, Cerebrin-28	Rough endoplasmic reticulum. Nucleus membrane. Golgi apparatus. Cytoplasm, perinuclear region. Secreted. Note=Detected on rough endoplasmic reticulum of arachnoid and meningioma cells. Localized to the nuclear envelope, Golgi apparatus, secretory vesicles and spherical cytoplasmic structures in arachnoid trabecular cells, and to circular cytoplasmic structures in meningeal macrophages and perivascular microglial cells. In oligodendrocytes, localized to the rough endoplasmic reticulum and nuclear envelope. In retinal pigment epithelial cells, localized to distinct cytoplasmic domains including the perinuclear region. Also secreted.	*	0
P42785				8		8	63	136	10	5	Lysosomal Pro-X carboxypeptidase precursor, Prolylcarboxypeptidase, PRCP, Proline carboxypeptidase, Angiotensinase C, Lysosomal carboxypeptidase C	Lysosome.	*	0
P42892							4	18		59	Endothelin-converting enzyme 1, ECE-1	Membrane; Single-pass type II membrane protein.	*	1

Total Protein Identified

P43121	9		88	25	2	52	65	72		179	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 antigen	Membrane; Single-pass type I membrane protein.	*	1
P43251	6	11					6	6			Biotinidase precursor, Biotinase	Secreted, extracellular space.	*	0
P43307			14			6				11	Translocon-associated protein subunit alpha precursor, TRAP-alpha, Signal sequence receptor subunit alpha, SSR-alpha	Endoplasmic reticulum membrane; Single-pass type I membrane protein.	*	1
P46976	7	10		16	8			13	43	12	Glycogenin-1	Entry not found!	*	0
P48307						20					Tissue factor pathway inhibitor 2 precursor, TFPI-2, Placental protein 5, PP5	Secreted.	*	0
P48509	4						21	17			CD151 antigen, Platelet-endothelial tetraspan antigen 3, PETA-3, GP27, Membrane glycoprotein SFA-1, Tetraspanin-24, Tspan-24	Membrane; Multi-pass membrane protein.	*	4
P48960	3	2			9					10	CD97 antigen precursor, Leukocyte antigen CD97	Cell membrane; Multi-pass membrane protein., CD97 antigen subunit alpha: Secreted, extracellular space.	*	7
P49755										13	Transmembrane emp24 domain-containing protein 10 precursor, 21 kDa transmembrane-trafficking protein, Transmembrane protein Tmp21, Tmp-21-I, p24delta, S31III125, S31II125	Golgi apparatus membrane; Single-pass type I membrane protein; Luminal side (By similarity). Melanosome. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV.	*	1
P50454	5	28				91	41	37	15	93	Serpin H1 precursor, Collagen-binding protein, Colligin, 47 kDa heat shock protein, Rheumatoid arthritis-related antigen RA-A47, Arsenic-transactivated protein 3, AsTP3, Cell proliferation-inducing gene 14 protein	Endoplasmic reticulum lumen.	*	0
P50895	22	85			4	13					Lutheran blood group glycoprotein precursor, B-CAM cell surface glycoprotein, Auberger B antigen, F8/G253 antigen, CD239 antigen	Membrane; Single-pass type I membrane protein.	*	1
P51688		15			34	19	49	32	45	14	N-sulphoglucosamine sulphohydrolase precursor, Sulfolglucosamine sulfamidase, Sulphamidase	Lysosome.	*	0
P52799		9								2	Ephrin-B2 precursor, EPH-related receptor tyrosine kinase ligand 5, LERK-5, HTK ligand, HTK-L	Membrane; Single-pass type I membrane protein.	*	1
P53634	57	62	11	18	67	62	92	150	10		Dipeptidyl-peptidase 1 precursor, Dipeptidyl-peptidase I, DPP-I, DPP-I, Cathepsin C, Cathepsin J, Dipeptidyl transferase	Lysosome.	*	0
P54289							3				Voltage-dependent calcium channel subunit alpha-2/delta-1 precursor, Voltage-gated calcium channel subunit alpha-2/delta-1	Membrane; Single-pass type I membrane protein (Potential).	*	1
P54709			10							7	Sodium/potassium-transporting ATPase subunit beta-3, Sodium/potassium-dependent ATPase subunit beta-3, ATPB-3, CD298 antigen	Membrane; Single-pass type II membrane protein. Melanosome. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV.	*	1
P54753		14									Ephrin type-B receptor 3 precursor, Tyrosine-protein kinase receptor HEK-2, Tyrosine-protein kinase TYRO6	Membrane; Single-pass type I membrane protein.	*	1
P54802	2	7				2	3				Alpha-N-acetylglucosaminidase precursor, N-acetyl-alpha-glucosaminidase, NAG	Entry not found!	*	0
P54803								2			Galactocerebrosidase precursor, GALCERase, Galactosylceramidase, Galactosylceramide beta-galactosidase, Galactocerebrosidase beta-galactosidase	Lysosome.	*	0
P55285						5					Cadherin-6 precursor, Kidney cadherin, K-cadherin	Cell membrane; Single-pass type I membrane protein.	*	1
P55290										19	Cadherin-13 precursor, Truncated cadherin, T-cadherin, T-cad, Heart cadherin, H-cadherin, P105	Cell membrane; Lipid-anchor, GPI-anchor.	*	0

Total Protein Identified

P56159					21	14	22			GDNF family receptor alpha-1 precursor, GFR-alpha-1, GDNF receptor alpha, GDNFR-alpha, TGF-beta-related neurotrophic factor receptor 1, RET ligand 1	Cell membrane; Lipid-anchor, GPI-anchor (By similarity).	*	0
P56199	4	8					3			Integrin alpha-1 precursor, Laminin and collagen receptor, VLA-1, CD49a antigen	Membrane; Single-pass type I membrane protein.	*	1
P61769					6	9				Beta-2-microglobulin precursor	Secreted.	*	0
P78310							5			Coxsackievirus and adenovirus receptor precursor, Coxsackievirus B-adenovirus receptor, hCAR, CVB3-binding protein, HCVADR	Isoform 1: Cell membrane; Single-pass type I membrane protein. Cell junction, tight junction; Single-pass type I membrane protein. Cell junction, adherens junction; Single-pass type I membrane protein. Basolateral cell membrane; Single-pass type I membrane protein. Note=In epithelial cells localizes to the apical junction complex composed of tight and adherens junctions. In airway epithelial cells localized to basolateral membrane but not to apical surface., Isoform 2: Cell membrane; Single-pass type I membrane protein. Cell junction, tight junction; Single-pass type I membrane protein. Cell junction, adherens junction; Single-pass type I membrane protein. Basolateral cell membrane; Single-pass membrane protein. Note=In epithelial cells localizes to the apical junction complex composed of tight and adherens junctions. In airway epithelial cells localized to basolateral membrane but not	*	1
P78324							15	20		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-like molecule with tyrosine-based activation motifs, Bit, Macrophage fusion receptor, p84, CD172a antigen	Membrane; Single-pass type I membrane protein.	*	1
P80188	33	25			19					Neutrophil gelatinase-associated lipocalin precursor, NGAL, p25, 25 kDa alpha-2-microglobulin-related subunit of MMP-9, Lipocalin-2, Oncogene 24p3	Secreted.	*	0
P98160	7	5								Basement membrane-specific heparan sulfate proteoglycan core protein precursor, HSPG, Perlecan, PLC	Secreted, extracellular space.	*	0
P98172	4	20								Ephrin-B1 precursor, Eph-related receptor tyrosine kinase ligand 2, LERK-2, ELK ligand, ELK-L	Membrane; Single-pass type I membrane protein.	*	1
Q01082		4					19			Spectrin beta chain, brain 1, Spectrin, non-erythroid beta chain 1, Beta-II spectrin, Fodrin beta chain	Cytoplasm, cytoskeleton (By similarity), Isoform 2: Cell membrane; Peripheral membrane protein; Cytoplasmic side (By similarity).	*	0
Q01459		15					18	36		Di-N-acetylchitinase precursor	Lysosome.	*	0
Q02083					6	8				N-acyl ethanolamine-hydrolyzing acid amidase precursor, N-acyl sphingosine amidohydrolase-like, ASAH-like protein, Acid ceramidase-like protein	Lysosome (Probable).	*	0

Total Protein Identified

Q02388					10					Collagen alpha-1(VII) chain precursor, Long-chain collagen, LC collagen	Secreted, extracellular space, extracellular matrix, basement membrane.	*	0
Q02487		7								Desmocollin-2 precursor, Desmosomal glycoprotein II and III, Desmocollin-3	Cell membrane; Single-pass type I membrane protein. Cell junction, desmosome.	*	1
Q02809		6	72	139	85	17	17	23	86	Procollagen-lysine,2-oxoglutarate 5-dioxygenase 1 precursor, Lysyl hydroxylase 1, LH1	Rough endoplasmic reticulum membrane; Peripheral membrane protein; Luminal side.	*	0
Q03405	4	5			5	19	7			Urokinase plasminogen activator surface receptor precursor, uPAR, U-PAR, Monocyte activation antigen Mo3, CD87 antigen	Isoform 1: Cell membrane; Lipid-anchor, GPI-anchor., Isoform 2: Secreted (Probable).	*	0
Q04721		4								Neurogenic locus notch homolog protein 2 precursor, Notch 2, hN2	Cell membrane; Single-pass type I membrane protein., Notch 2 intracellular domain: Nucleus. Note=Following proteolytical processing NICD is translocated to the nucleus.	*	1
Q04941									6	Proteolipid protein 2, Intestinal membrane A4 protein, Differentiation-dependent protein A4	Membrane; Multi-pass membrane protein.	*	4
Q05707					18					Collagen alpha-1(XIV) chain precursor, Undulin	Secreted, extracellular space, extracellular matrix (By similarity).	*	0
Q07954			7		3	18		6	4	Prolow-density lipoprotein receptor-related protein 1 precursor, LRP, Alpha-2-macroglobulin receptor, A2MR, Apolipoprotein E receptor, APOER, CD91 antigen	Low-density lipoprotein receptor-related protein 1 85 kDa subunit: Cell membrane; Single-pass type I membrane protein., Low-density lipoprotein receptor-related protein 1 515 kDa subunit: Cell membrane; Peripheral membrane protein; Extracellular side., Low-density lipoprotein receptor-related protein 1 intracellular domain: Cytoplasm. Nucleus. Note=After cleavage, the intracellular domain (LRPICD) is detected both in the cytoplasm and in the nucleus.	*	1
Q08380	124	210	10		100	102	55	133		Galectin-3-binding protein precursor, Lectin galactoside-binding soluble 3-binding protein, Mac-2-binding protein, Mac-2 BP, MAC2BP, Tumor-associated antigen 90K, Basement membrane autoantigen p105	Secreted. Secreted, extracellular space, extracellular matrix.	*	0
Q08431	23	10	28							Lactadherin precursor, Milk fat globule-EGF factor 8, MFG-E8, HMFG, Breast epithelial antigen BA46, MFGM	Membrane; Peripheral membrane protein.	*	0
Q08722	12									Leukocyte surface antigen CD47 precursor, Integrin-associated protein, IAP, Antigenic surface determinant protein OA3, Protein MER6	Cell membrane; Multi-pass membrane protein.	*	5
Q10588					3	28				ADP-ribosyl cyclase 2 precursor, Cyclic ADP-ribose hydrolase 2, cADPr hydrolase 2, Bone marrow stromal antigen 1, BST-1, CD157 antigen	Cell membrane; Lipid-anchor, GPI-anchor.	*	0
Q10589						11				Bone marrow stromal antigen 2 precursor, BST-2, CD317 antigen, HM1.24 antigen	Golgi apparatus, trans-Golgi network (By similarity). Cell membrane; Single-pass type II membrane protein. Cell membrane; Lipid-anchor, GPI-anchor.	*	1

Total Protein Identified

Q12805					45					EGF-containing fibulin-like extracellular matrix protein 1 precursor, Fibulin-3, FIBL-3, Fibrillin-like protein, Extracellular protein S1-5	Secreted.	*	0
Q12841						27	11			Follistatin-related protein 1 precursor, Follistatin-like 1	Secreted (Potential).	*	0
Q12907				4						Vesicular integral-membrane protein VIP36 precursor, Lectin mannose-binding 2, Glycoprotein GP36b	Endoplasmic reticulum-Golgi intermediate compartment membrane; Single-pass type I membrane protein. Golgi apparatus membrane; Single-pass membrane protein. Endoplasmic reticulum membrane; Single-pass type I membrane protein.	*	1
Q13308		10			8	6				Tyrosine-protein kinase-like 7 precursor, Colon carcinoma kinase 4, CCK-4	Membrane; Single-pass type I membrane protein.	*	1
Q13449								10		Limbic system-associated membrane protein precursor, LSAMP	Cell membrane; Lipid-anchor, GPI-anchor.	*	0
Q13641				7	9	7	32		14	Trophoblast glycoprotein precursor, 5T4 oncofetal trophoblast glycoprotein, 5T4 oncotrophoblast glycoprotein, 5T4 oncofetal antigen, M6P1	Membrane; Single-pass type I membrane protein (Potential).	*	1
Q13740	12	6		26	92	206	539		9	CD166 antigen precursor, Activated leukocyte cell adhesion molecule	Membrane; Single-pass type I membrane protein.	*	1
Q13751	10	8								Laminin subunit beta-3 precursor, Laminin 5 beta 3, Laminin B1 chain, Kalinin B1 chain	Secreted, extracellular space, extracellular matrix, basement membrane.	*	0
Q13753	6									Laminin subunit gamma-2 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, Ladsin 140 kDa subunit	Secreted, extracellular space, extracellular matrix, basement membrane. Note=Major component.	*	0
Q14108	8	4								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	Lysosome membrane; Multi-pass membrane protein.	*	2
Q14118		3							8	Dystroglycan precursor, Dystrophin-associated glycoprotein 1	Alpha-dystroglycan: Secreted, extracellular space., Beta-dystroglycan: Cell membrane; Single-pass type I membrane protein.	*	1
Q14126		13		11	35					Desmoglein-2 precursor, HDGC	Cell membrane; Single-pass type I membrane protein. Cell junction, desmosome.	*	1
Q14508				17	40					WAP four-disulfide core domain protein 2 precursor, Major epididymis-specific protein E4, Epididymal secretory protein E4, Putative protease inhibitor WAP5	Secreted.	*	0
Q14697	6	6	23	37					7	Neutral alpha-glucosidase AB precursor, Glucosidase II subunit alpha, Alpha-glucosidase 2	Endoplasmic reticulum (By similarity). Golgi apparatus (By similarity). Melanosome. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV.	*	0
Q14956			19							Transmembrane glycoprotein NMB precursor, Transmembrane glycoprotein HGFIN	Membrane; Single-pass type I membrane protein (Potential). Melanosome. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV.	*	1

Total Protein Identified

Q15223		5								Poliovirus receptor-related protein 1 precursor, Herpes virus entry mediator C, HveC, Nectin-1, Herpesvirus Ig-like receptor, HlgR, CD111 antigen	Isoform Alpha: Cell membrane; Single-pass type I membrane protein., Isoform Delta: Cell membrane; Single-pass type I membrane protein., Isoform Gamma: Secreted.	*	1
Q15262		5			2	14				Receptor-type tyrosine-protein phosphatase kappa precursor, Protein-tyrosine phosphatase kappa, R-PTP-kappa	Cell junction, adherens junction; Single-pass type I membrane protein.	*	1
Q15293		5		34	21				29	Reticulocalbin-1 precursor	Endoplasmic reticulum lumen.	*	0
Q15758	16	6	6		2		6	6	8	Neutral amino acid transporter B(0), ATB(0), Solute carrier family 1 member 5, Sodium-dependent neutral amino acid transporter type 2, RD114/simian type D retrovirus receptor, Baboon M7 virus receptor	Membrane; Multi-pass membrane protein (Probable). Melanosome. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV.	*	10
Q16270					9	69	99	108		Insulin-like growth factor-binding protein 7 precursor, IGFBP-7, IBP-7, IGF-binding protein 7, MAC25 protein, Prostacyclin-stimulating factor, PGI2-stimulating factor, IGFBP-rP1	Secreted.	*	0
Q16363			52	55					6	Laminin subunit alpha-4 precursor	Secreted, extracellular space, extracellular matrix, basement membrane. Note=Major component.	*	0
Q16563	4									Synaptophysin-like protein 1, Pantophysin	Cytoplasmic vesicle membrane; Multi-pass membrane protein (By similarity). Melanosome. Note=Cytoplasmic transport vesicles (By similarity). Identified by mass spectrometry in melanosome fractions from stage I to stage IV.	*	4
Q16610			270	122	2					Extracellular matrix protein 1 precursor, Secretory component p85	Secreted, extracellular space, extracellular matrix.	*	0
Q16651		5				7				Prostasin precursor, Serine protease 8	Prostasin: Cell membrane; Single-pass membrane protein., Prostasin light chain: Secreted, extracellular space. Note=Found in the seminal fluid. Secreted after cleavage of its C-terminus., Prostasin heavy chain: Secreted, extracellular space. Note=Found in the seminal fluid. Secreted after cleavage of its C-terminus.	*	1
Q16787	24	12								Laminin subunit alpha-3 precursor, Epiligrin 170 kDa subunit, E170, Nicein subunit alpha	Secreted, extracellular space, extracellular matrix, basement membrane. Note=Major component.	*	0
Q16790	6	32								Carbonic anhydrase 9 precursor, Carbonic anhydrase IX, Carbonate dehydratase IX, CA-IX, CAIX, Membrane antigen MN, P54/58N, Renal cell carcinoma-associated antigen G250, RCC-associated antigen G250, pMW1	Nucleus. Nucleus, nucleolus. Cell membrane; Single-pass type I membrane protein. Cell projection, microvillus membrane; Single-pass type I membrane protein. Note=Found on the surface microvilli and in the nucleus, particularly in nucleolus.	*	1

Total Protein Identified

Q5ZPR3	10	5	4		9	26	16	40		48	CD276 antigen precursor, Costimulatory molecule, B7 homolog 3, B7-H3, 4Ig-B7-H3	Membrane; Single-pass type I membrane protein (Probable).	*	1	
Q6EMK4					19	89	2	14	5	25	Vasorin precursor, Protein slit-like 2	Membrane; Single-pass type I membrane protein (Probable). Secreted.	*	1	
Q6UVK1	5	28	294	531						143	294	Chondroitin sulfate proteoglycan 4 precursor, Chondroitin sulfate proteoglycan NG2, Melanoma chondroitin sulfate proteoglycan, Melanoma-associated chondroitin sulfate proteoglycan	Apical cell membrane; Single-pass type I membrane protein (By similarity). Cell projection, lamellipodium (By similarity). Note=Localized at the apical plasma membrane it relocalizes to the lamellipodia of astrocytoma upon phosphorylation by PRKCA. Localizes to the retraction fibers. Localizes to the plasma membrane of oligodendrocytes (By similarity).	*	1
Q7Z3B1							2					Neuronal growth regulator 1 precursor	Cell membrane; Lipid-anchor, GPI-anchor (By similarity).	*	0
Q86UP2					3							Kinectin, Kinesin receptor, CG-1 antigen	Endoplasmic reticulum membrane; Single-pass type II membrane protein. Note=Vesicle membrane protein anchored to the endoplasmic reticulum.	*	1
Q86YB8			22	24								ERO1-like protein beta precursor, ERO1-Lbeta, Oxidoreductin-1-Lbeta, Endoplasmic oxidoreductin-1-like protein B	Endoplasmic reticulum membrane; Peripheral membrane protein; Luminal side. Note=The association with TXNDC4 may be essential for its retention in the endoplasmic reticulum.	*	0
Q8IWA5					10	10						Choline transporter-like protein 2, Solute carrier family 44 member 2	Membrane; Multi-pass membrane protein (By similarity).	*	10
Q8IZP9					6	14						G-protein coupled receptor 64 precursor, Epididymis-specific protein 6, He6 receptor	Cell membrane; Multi-pass membrane protein.	*	7
Q8N2G4							6					Ly6/PLAUR domain-containing protein 1 precursor, Putative HeLa tumor suppressor, PHTS	Cell membrane; Lipid-anchor, GPI-anchor (Potential).	*	0
Q8N474			21									Secreted frizzled-related protein 1 precursor, sFRP-1, Frizzled-related protein 1, FRP-1, Secreted apoptosis-related protein 2, SARP-2	Secreted. Note=Cell membrane or extracellular matrix-associated. Released by heparin-binding.	*	0
Q8NBJ4	4	6										Golgi membrane protein 1, Golgi phosphoprotein 2, Golgi membrane protein GP73	Golgi apparatus, cis-Golgi network membrane; Single-pass type II membrane protein. Note=Early Golgi. Cycles via the cell surface and endosomes upon luminal pH disruption.	*	1
Q8NBJ7	12	50	106	62	7	78	59	29		9		Sulfatase-modifying factor 2 precursor, C-alpha-formylglycine-generating enzyme 2	Endoplasmic reticulum lumen.	*	0
Q8NBK3							13					Sulfatase-modifying factor 1 precursor, C-alpha-formylglycine-generating enzyme 1	Endoplasmic reticulum lumen.	*	0
Q8NCC3			2		19	12	30	37	10			1-O-acylceramide synthase precursor, ACS, Lysosomal phospholipase A2, Lysophospholipase 3, LPLA2, LCAT-like lysophospholipase, LLPL	Lysosome (By similarity). Secreted.	*	0

Total Protein Identified

Q8NFJ5					13					Retinoic acid-induced protein 3, G-protein coupled receptor family C group 5 member A, Retinoic acid-induced gene 1 protein, RAIG-1, Orphan G-protein-coupling receptor PEIG-1	Cell membrane; Multi-pass membrane protein. Cytoplasmic vesicle membrane; Multi-pass membrane protein. Note=Localized in the plasma membrane and perinuclear vesicles.	*	7	
Q8TCT9					29					Minor histocompatibility antigen H13, Signal peptide peptidase, Presenilin-like protein 3, hIMP1 protein	Endoplasmic reticulum membrane; Multi-pass membrane protein (By similarity).	*	7	
Q8TEM1		2								Nuclear pore membrane glycoprotein 210 precursor, POM210, Nuclear pore protein gp210	Nucleus, nuclear pore complex; Single-pass type I membrane protein. Endoplasmic reticulum membrane; Single-pass type I membrane protein.	*	1	
Q8WUT4						20	43			Uncharacterized protein C20orf75 precursor	Membrane; Single-pass type I membrane protein (Potential).	*	1	
Q92484						4	20			Acid sphingomyelinase-like phosphodiesterase 3a precursor, ASM-like phosphodiesterase 3a	Secreted (By similarity).	*	0	
Q92485	34	87			15	50				Acid sphingomyelinase-like phosphodiesterase 3b precursor, ASM-like phosphodiesterase 3b	Secreted (By similarity).	*	0	
Q92542	2	2								Nicastrin precursor	Membrane; Single-pass type I membrane protein (Potential). Melanosome. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV.	*	1	
Q92673		4								Sortilin-related receptor precursor, Sorting protein-related receptor containing LDLR class A repeats, SorLA, SorLA-1, Low-density lipoprotein receptor relative with 11 ligand-binding repeats, LDLR relative with 11 ligand-binding repeats, LR11	Membrane; Single-pass type I membrane protein (Potential).	*	1	
Q92692	5	22			10				16	Poliiovirus receptor-related protein 2 precursor, Herpes virus entry mediator B, HveB, Nectin-2, CD112 antigen	Cell membrane; Single-pass type I membrane protein.	*	1	
Q92823					11					Neuronal cell adhesion molecule precursor, Nr-CAM, NgCAM-related cell adhesion molecule, Ng-CAM-related, hBravo	Cell membrane; Single-pass type I membrane protein (Potential).	*	1	
Q92859							3			Neogenin precursor	Cell membrane; Single-pass type I membrane protein.	*	1	
Q92876	6	10			13					Kallikrein-6 precursor, Protease M, Neurosin, Zyme, SP59, Serine protease 9, Serine protease 18	Secreted.	*	0	
Q92896	7	2		7	12		21		7	Golgi apparatus protein 1 precursor, Golgi sialoglycoprotein MG-160, E-selectin ligand 1, ESL-1, Cysteine-rich fibroblast growth factor receptor, CFR-1	Golgi apparatus membrane; Single-pass type I membrane protein.	*	1	
Q969P0				15						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	Membrane; Single-pass membrane protein (Potential).	*	1	
Q96AY3			102	85	7	79	68	20	4	10	FK506-binding protein 10 precursor, Peptidyl-prolyl cis-trans isomerase, PPIase, Rotamase, 65 kDa FK506-binding protein, FKBP65, Immunophilin FKBP65	Endoplasmic reticulum lumen (By similarity).	*	0
Q96CG8			30	36							Collagen triple helix repeat-containing protein 1 precursor, NMTC1 protein	Secreted, extracellular space, extracellular matrix (By similarity).	*	0
Q96D15			5	39	5						Reticulocalbin-3 precursor, EF-hand calcium-binding protein RLP49	Endoplasmic reticulum lumen (Potential).	*	0
Q96D42						18	31				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	Membrane; Single-pass type I membrane protein (Probable).	*	1

Total Protein Identified

Q96JB6			12								Lysyl oxidase homolog 4 precursor, Lysyl oxidase-like protein 4, Lysyl oxidase-related protein C	Secreted, extracellular space (Potential).	*	0
Q96PD2						3	9	13		6	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	Membrane; Single-pass type I membrane protein.	*	1
Q99519	7	21		8	47	126	46	59	45	52	Sialidase-1 precursor, Lysosomal sialidase, N-acetyl-alpha-neuraminidase 1, Acetylneuraminyl hydrolase, G9 sialidase	Lysosome membrane; Peripheral membrane protein; Luminal side. Lysosome lumen. Cell membrane. Cytoplasmic vesicle. Note=Localized not only on the inner side of the lysosomal membrane and in the lysosomal lumen, but also on the plasma membrane and in intracellular vesicles.	*	0
Q99523		3									Sortilin precursor, Neurotensin receptor 3, NTR3, NT3, Glycoprotein 95, Gp95, 100 kDa NT receptor	Membrane; Single-pass type I membrane protein. Note=Localized to membranes of the endoplasmic reticulum, endosomes, Golgi stack, lysosomes and nucleus. A small fraction of the protein is also localized to the plasma membrane. May also be found in SLC2A4/GLUT4 storage vesicles (GSVs) in adipocytes. Localization to the plasma membrane in adipocytes may be enhanced by insulin.	*	1
Q99538	15	25	29	20	10	23	22	24			Legumain precursor, Asparaginyl endopeptidase, Protease, cysteine 1	Lysosome (By similarity).	*	0
Q99715						27		4			Collagen alpha-1(XII) chain precursor	Secreted, extracellular space, extracellular matrix (By similarity).	*	0
Q99988	12	16	404	42		12					Growth/differentiation factor 15 precursor, GDF-15, Placental bone morphogenetic protein, Placental TGF-beta, Macrophage inhibitory cytokine 1, MIC-1, Prostate differentiation factor, NSAID-regulated protein 1, NRG-1	Secreted (Probable).	*	0
Q9BRK5				2	17						45 kDa calcium-binding protein precursor, Cab45, Stromal cell-derived factor 4, SDF-4	Golgi apparatus lumen (By similarity).	*	0
Q9BVK6										10	Transmembrane emp24 domain-containing protein 9 precursor, Glycoprotein 25L2	Endoplasmic reticulum membrane; Single-pass type I membrane protein (By similarity).	*	1
Q9GZM7	20	6						10			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	Secreted.	*	0
Q9H173				6		5					Nucleotide exchange factor SIL1 precursor, BiP-associated protein, BAP	Endoplasmic reticulum lumen.	*	0
Q9H3G5	42	47			12	29				5	Probable serine carboxypeptidase CPVL precursor, Carboxypeptidase, vitellogenic-like, Vitellogenic carboxypeptidase-like protein, VCP-like protein, HVLP	Entry not found!	*	0

Total Protein Identified

Q9H5V8	4	4					3				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	Isoform 1: Cell membrane; Single-pass membrane protein (Potential). Note=Shedding may also lead to a soluble peptide., Isoform 3: Secreted.	*	1
Q9HAT2	40	44	24		65	59	26	64			Sialate O-acetyltransferase precursor, Sialic acid-specific 9-O-acetyltransferase, H-Lse	Lysosome (Probable).	*	0
Q9HB40							6	18			Retinoid-inducible serine carboxypeptidase precursor, Serine carboxypeptidase 1	Secreted (Potential).	*	0
Q9HDC9	5	10		7			2				Adipocyte plasma membrane-associated protein, BSCv protein	Membrane; Single-pass type II membrane protein (Potential).	*	1
Q9NPH3				8							Interleukin-1 receptor accessory protein precursor, IL-1 receptor accessory protein, IL-1RAcP	Isoform 1: Cell membrane; Single-pass type I membrane protein., Isoform 2: Secreted., Isoform 3: Secreted., Isoform 4: Secreted.	*	1
Q9NPR2		3									Semaphorin-4B precursor	Membrane; Single-pass type I membrane protein.	*	1
Q9NYU2	4	6	25	20							UDP-glucose:glycoprotein glucosyltransferase 1 precursor, UDP-glucose ceramide glucosyltransferase-like 1, UDP--Glc:glycoprotein glucosyltransferase, HUGT1	Endoplasmic reticulum lumen. Endoplasmic reticulum-Golgi intermediate compartment.	*	0
Q9P2B2	9	10	15	4		13	5		6		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	Endoplasmic reticulum membrane; Single-pass type I membrane protein (By similarity). Golgi apparatus, trans-Golgi network membrane; Single-pass type I membrane protein (By similarity).	*	1
Q9UBG0				27	31	74	11	72		43	Macrophage mannose receptor 2 precursor, Urokinase receptor-associated protein, Endocytic receptor 180, CD280 antigen	Membrane; Single-pass type I membrane protein.	*	1
Q9UBP4									6		Dickkopf-related protein 3 precursor, Dickkopf-3, Dkk-3, hDkk-3	Secreted.	*	0
Q9UBS4	4	13		22		7			6		DnaJ homolog subfamily B member 11 precursor, ER-associated dnaJ protein 3, ERj3p, ERdj3, ER-associated Hsp40 co-chaperone, ER-associated DNAJ, HEDJ, hDj9, PWP1-interacting protein 4, APOBEC1-binding protein 2, ABBP-2	Endoplasmic reticulum lumen. Note=Associated with the ER membrane in a C-terminally epitope-tagged construct.	*	0
Q9UHG3	11	11	11			21	7	64		27	Prenylcysteine oxidase 1 precursor, Prenylcysteine lyase	Lysosome.	*	0
Q9UM22			18	14	43	55	54	59	26	23	Mammalian ependymin-related protein 1 precursor, MERP-1, Upregulated in colorectal cancer gene 1 protein	Secreted.	*	0
Q9UMF0					2	15					Intercellular adhesion molecule 5 precursor, ICAM-5, Telencephalin	Membrane; Single-pass type I membrane protein.	*	1
Q9UMR5	3	2			8	18	5	32			Lysosomal thioesterase PPT2 precursor, PPT-2, S-thioesterase G14	Lysosome.	*	0
Q9UNN8							5				Endothelial protein C receptor precursor, Endothelial cell protein C receptor, Activated protein C receptor, APC receptor, CD201 antigen	Membrane; Single-pass type I membrane protein.	*	1
Q9UNW1	36	41	13	8		19	2	22			Multiple inositol polyphosphate phosphatase 1 precursor, Inositol (1,3,4,5)-tetrakisphosphate 3-phosphatase, Ins(1,3,4,5)P(4) 3-phosphatase	Endoplasmic reticulum lumen (By similarity).	*	0

Total Protein Identified

Q9Y251	2	7									Heparanase precursor, Heparanase-1, Hpa1, Endo-glucuronidase	Lysosome membrane; Peripheral membrane protein. Secreted. Note=Secreted, internalised and transferred to late endosomes/lysosomes as a proheparanase. In lysosomes, it is processed into the active form, the heparanase. The uptake or internalisation of proheparanase is mediated by HSPGs. Heparin appears to be a competitor and retain proheparanase in the extracellular medium.	*	0
Q9Y2E5		13			27	17	36	47			Epididymis-specific alpha-mannosidase precursor, Mannosidase alpha class 2B member 2	Secreted (Potential).	*	0
Q9Y2G5			9	35							GDP-fucose protein O-fucosyltransferase 2 precursor, Peptide-O-fucosyltransferase 2, O-FucT-2	Endoplasmic reticulum (By similarity).	*	0
Q9Y3B3				11			3				Transmembrane emp24 domain-containing protein 7 precursor	Endoplasmic reticulum membrane; Single-pass type I membrane protein (By similarity).	*	1
Q9Y5Y6	37	53									Suppressor of tumorigenicity protein 14, Serine protease 14, Matriptase, Membrane-type serine protease 1, MT-SP1, Prostamin, Serine protease TADG-15, Tumor-associated differentially-expressed gene 15 protein	Membrane; Single-pass type II membrane protein (Probable).	*	1
Q9Y624	2	3					12	9			Junctional adhesion molecule A precursor, JAM-A, Junctional adhesion molecule 1, JAM-1, Platelet adhesion molecule 1, PAM-1, Platelet F11 receptor, CD321 antigen	Cell junction, tight junction; Single-pass type I membrane protein. Note=Localized at tight junctions of both epithelial and endothelial cells.	*	1
Q9Y680							33	19			FK506-binding protein 7 precursor, Peptidyl-prolyl cis-trans isomerase, PPIase, Rotamase, FKBP-23	Endoplasmic reticulum lumen (By similarity).	*	0
Q9Y6C2			23	79							EMILIN-1 precursor, Elastin microfibril interface-located protein 1, Elastin microfibril interfacier 1	Secreted, extracellular space, extracellular matrix. Note=Found mainly at the interface between amorphous elastin and microfibrils.	*	0
O43399	101	88	111	61	35	89	44	43	72	76	Tumor protein D54, hD54, Tumor protein D52-like 2	Entry not found!		0
P00558	8	18	37	127	39	35	91	9	89	93	Phosphoglycerate kinase 1, Primer recognition protein 2, PRP 2, Cell migration-inducing gene 10 protein	Cytoplasm.		0
P04075	11	4	19	88	45	15	50	7	47	65	Fructose-bisphosphate aldolase A, Muscle-type aldolase, Lung cancer antigen NY-LU-1	Entry not found!		0
P04083	26	17	53	141	193	96	165	82	56	71	Annexin A1, Annexin-1, Annexin I, Lipocortin I, Calpactin II, Chromobindin-9, p35, Phospholipase A2 inhibitory protein	Nucleus (By similarity). Cytoplasm (By similarity). Cell projection, cilium (By similarity). Basolateral cell membrane (By similarity). Note=Found in the cilium, nucleus and basolateral cell membrane of ciliated cells in the tracheal endothelium (By similarity). Found in the cytoplasm of type II pneumocytes and alveolar macrophages (By similarity).		0
P04406	9	14	57	328	50	63	95	44	168	208	Glyceraldehyde-3-phosphate dehydrogenase, GAPDH	Cytoplasm. Cytoplasm, perinuclear region. Membrane. Note=Postnuclear and Perinuclear regions.		0

Total Protein Identified

P06733	32	51	260	833	168	83	178	52	256	627	Alpha-enolase, 2-phospho-D-glycerate hydro-lyase, Non-neural enolase, NNE, Enolase 1, Phosphopyruvate hydratase, C-myc promoter-binding protein, MBP-1, MPB-1, Plasminogen-binding protein	Cytoplasm. Cell membrane. Cytoplasm, myofibril, sarcomere, M-band. Note=Can translocate to the plasma membrane in either the homodimeric (alpha/alpha) or heterodimeric (alpha/gamma) form. ENO1 is localized to the M-band., Isoform MBP-1: Nucleus.		0
P06748	17	24	60	44	41	60	69	34	36	62	Nucleophosmin, NPM, Nucleolar phosphoprotein B23, Numatrin, Nucleolar protein NO38	Nucleus, nucleolus. Note=Generally nucleolar, but is translocated to the nucleoplasm in case of serum starvation or treatment with anticancer drugs. Has been found in the cytoplasm in patients with primary acute myelogenous leukemia (AML), but not with secondary AML.		0
P07237	21	69	218	173	28	129	94	23	13	221	Protein disulfide-isomerase precursor, PDI, Prolyl 4-hydroxylase subunit beta, Cellular thyroid hormone-binding protein, p55	Endoplasmic reticulum lumen. Melanosome. Note=Highly abundant. In some cell types, seems to be also secreted or associated with the plasma membrane, where it undergoes constant shedding and replacement from intracellular sources (Probable). Localizes near CD4-enriched regions on lymphoid cell surfaces. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.		0
P07355	72	83	45	25	449	153	421	348	235	343	Annexin A2, Annexin-2, Annexin II, Lipocortin II, Calpactin I heavy chain, Chromobindin-8, p36, Protein I, Placental anticoagulant protein IV, PAP-IV	Secreted, extracellular space, extracellular matrix, basement membrane. Melanosome. Note=In the lamina beneath the plasma membrane. Identified by mass spectrometry in melanosome fractions from stage I to stage IV. Translocated from the cytoplasm to the cell surface through a Golgi-independent mechanism.		0
P08758	57	66	36	63	99	29	46	87	155	240	Annexin A5, Annexin-5, Annexin V, Lipocortin V, Endonexin II, Calphobindin I, CBP-I, Placental anticoagulant protein I, PAP-I, PP4, Thromboplastin inhibitor, Vascular anticoagulant-alpha, VAC-alpha, Anchorin CII	Entry not found!		0
P08865	29	10	21	118	62	24	71	37	157	155	40S ribosomal protein SA, Laminin receptor 1, 34/67 kDa laminin receptor, LamR, p40, Colon carcinoma laminin-binding protein, NEM/1CHD4, Multidrug resistance-associated protein MGR1-Ag	Cytoplasm.		0
P09661	46	22	119	7	8	45	13	41	4	25	U2 small nuclear ribonucleoprotein A', U2 snRNP-A'	Nucleus.		0

Total Protein Identified

P11021	185	228	335	370	176	565	222	85	154	645	78 kDa glucose-regulated protein precursor, GRP 78, Heat shock 70 kDa protein 5, Immunoglobulin heavy chain-binding protein, BiP, Endoplasmic reticulum luminal Ca(2+)-binding protein grp78	Endoplasmic reticulum lumen. Melanosome. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV.		0
P13667	169	225	451	481	44	241	312	93	90	296	Protein disulfide-isomerase A4 precursor, Protein ERp-72, ERp72	Endoplasmic reticulum lumen. Melanosome. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV.		0
P14618	8	5	125	104	70	22	83	8	9	48	Pyruvate kinase isozymes M1/M2, Pyruvate kinase muscle isozyme, Pyruvate kinase 2/3, Cytosolic thyroid hormone-binding protein, CTHBP, THBP1	Entry not found!		0
P22392	31	19	92	21	54	86	88	107	71	81	Nucleoside diphosphate kinase B, NDK B, NDP kinase B, nm23-H2, C-myc purine-binding transcription factor PUF	Cytoplasm. Nucleus.		0
P27797	30	41	153	124	44	176	75	63	28	217	Calreticulin precursor, CRP55, Calregulin, HACBP, ERp60, grp60	Endoplasmic reticulum lumen. Cytoplasm, cytosol. Secreted, extracellular space, extracellular matrix. Cell surface. Note=Also found in cell surface (T cells), cytosol and extracellular matrix. Associated with the lytic granules in the cytolytic T-lymphocytes.		0
P29401	15	2	84	75	3	20	44	6	14	46	Transketolase, TK	Entry not found!		0
P30040	27	56	80	59	4	68	95	78	4	78	Endoplasmic reticulum protein ERp29 precursor, ERp31, ERp28	Endoplasmic reticulum lumen. Melanosome. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV.		0
P30041	21	21	112	47	83	100	51	60	38	73	Peroxiredoxin-6, Antioxidant protein 2, 1-Cys peroxiredoxin, 1-Cys PRX, Acidic calcium-independent phospholipase A2, aiPLA2, Non-selenium glutathione peroxidase, NSGPx, 24 kDa protein, Liver 2D page spot 40, Red blood cells page spot 12	Cytoplasm (By similarity). Lysosome (By similarity). Cytoplasmic vesicle (By similarity). Note=And also found in lung secretory organelles (By similarity).		0
P37802	12	7	14	19	69	62	106	31	55	47	Transgelin-2, SM22-alpha homolog	Entry not found!		0
P37837	61	25	39	21	40	29	28	41	52	48	Transaldolase	Cytoplasm (Probable).		0
P55145	6	14	91	49	6	23	10	34	17	30	Protein ARMET precursor, Mesencephalic astrocyte-derived neurotrophic factor, MANF, Arginine-rich protein	Secreted.		0
P55327	129	123	333	75	59	259	30	66	106	120	Tumor protein D52, Protein N8	Entry not found!		0
P62805	358	205	314	10	62	257	40	398	53	109	Histone H4	Nucleus.		0
P62937	20	37	92	103	60	103	80	19	46	72	Peptidyl-prolyl cis-trans isomerase A, PPIase A, Rotamase A, Cyclophilin A, Cyclosporin A-binding protein	Cytoplasm.		0
P62988	26	18	26	10	19	48	20	38	30	19	Ubiquitin	Cytoplasm. Nucleus.		0
P68104	79	51	211	68	89	437	140	182	59	261	Elongation factor 1-alpha 1, EF-1-alpha-1, Elongation factor 1 A-1, eEF1A-1, Elongation factor Tu, EF-Tu, Leukocyte receptor cluster member 7	Cytoplasm.		0
Q01518	4	4	13	28	36	15	55	12	17	76	Adenylyl cyclase-associated protein 1, CAP 1	Cell membrane (By similarity).		0
Q09666	8	4	22	9	26	43	264	163	91	100	Neuroblast differentiation-associated protein AHNAK, Desmoyokin	Nucleus.		0
Q15084	127	145	246	107	34	131	259	164	49	129	Protein disulfide-isomerase A6 precursor, Protein disulfide isomerase P5, Thioredoxin domain-containing protein 7	Endoplasmic reticulum lumen (By similarity). Melanosome. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV.		0

Total Protein Identified

Q6F113	146	105	274	37	27	179	20	135	52	117	Histone H2A type 2-A, H2A.2, H2A/o	Nucleus.		0
O00159			2		7						Myosin-1c, Myosin I beta, MMI-beta, MM1b	Entry not found!		0
O00192			2								Armadillo repeat protein deleted in velo-cardio-facial syndrome	Entry not found!		0
O00231			3								26S proteasome non-ATPase regulatory subunit 11, 26S proteasome regulatory subunit S9, 26S proteasome regulatory subunit p44.5	Entry not found!		0
O00299				24	4				22	22	Chloride intracellular channel protein 1, Nuclear chloride ion channel 27, NCC27, Chloride channel ABP, Regulatory nuclear chloride ion channel protein, hRNCC	Nucleus. Nucleus membrane. Cytoplasm. Cell membrane. Note=Mostly in the nucleus including in the nuclear membrane. Small amount in the cytoplasm and the plasma membrane.		0
O00410									7		Importin subunit beta-3, Karyopherin beta-3, Ran-binding protein 5, RanBP5	Cytoplasm. Nucleus. Nucleus, nucleolus. Note=Nucleus; nuclear rim. Found particularly in the nuclear rim and nucleolus.		0
O00487				3						4	26S proteasome non-ATPase regulatory subunit 14, 26S proteasome regulatory subunit rpn11, 26S proteasome-associated PAD1 homolog 1	Entry not found!		0
O00560	7	3				4	10	3		6	Syntenin-1, Syndecan-binding protein 1, Melanoma differentiation-associated protein 9, MDA-9, Scaffold protein Pbp1, Pro-TGF-alpha cytoplasmic domain-interacting protein 18, TACIP18	Cell junction, focal adhesion; Peripheral membrane protein. Cell junction, adherens junction; Peripheral membrane protein. Endoplasmic reticulum membrane; Peripheral membrane protein. Nucleus. Melanosome. Note=Mainly membrane-associated. Localized to adherens junctions, focal adhesions and endoplasmic reticulum. Colocalized with actin stress fibers. Also found in the nucleus. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.		0
O00622						2	7	32			Protein CYR61 precursor, Cysteine-rich angiogenic inducer 61, Insulin-like growth factor-binding protein 10, Protein GIG1	Secreted.		0
O00764										3	Pyridoxal kinase, Pyridoxine kinase	Cytoplasm.		0
O14818					7		4			19	Proteasome subunit alpha type-7, Proteasome subunit RC6-1, Proteasome subunit XAPC7	Cytoplasm. Nucleus.		0
O15173										16	Membrane-associated progesterone receptor component 2, Progesterone membrane-binding protein, Steroid receptor protein DG6	Membrane; Single-pass membrane protein (Potential).		1
O15212							17				Prefoldin subunit 6, Protein Ke2	Entry not found!		0
O15240						4					Neurosecretory protein VGF precursor	Secreted (By similarity). Cytoplasmic vesicle, secretory vesicle (By similarity). Note=Stored in secretory vesicles and then secreted (By similarity).		0
O15446						6					DNA-directed RNA polymerase I subunit RPA34, RNA polymerase I-associated factor PAF49, Anti-sense to ERCC-1 protein, ASE-1, CD3-epsilon-associated protein, CD3E-associated protein, CAST, A34.5	Nucleus, nucleolus. Note=Found at the fibrillar centers of the nucleolus in interphase and during cell division it is localized to the nucleolus organizer regions of the chromosomes.		0

Total Protein Identified

O15511						6				Actin-related protein 2/3 complex subunit 5, Arp2/3 complex 16 kDa subunit, p16-ARC	Cytoplasm, cytoskeleton. Cell projection.		0
O15551	10									Claudin-3, Clostridium perfringens enterotoxin receptor 2, CPE-receptor 2, CPE-R 2, Ventral prostate.1 protein homolog, HRVP1	Cell junction, tight junction; Multi-pass membrane protein (By similarity).		4
O43143			3							Putative pre-mRNA-splicing factor ATP-dependent RNA helicase DHX15, DEAH box protein 15, ATP-dependent RNA helicase #46	Nucleus.		0
O43169	9					9				Cytochrome b5 type B precursor, Cytochrome b5 outer mitochondrial membrane isoform	Mitochondrion outer membrane (By similarity).		1
O43175			4	13	3					D-3-phosphoglycerate dehydrogenase, 3-PGDH	Entry not found!		0
O43324			9			15				Eukaryotic translation elongation factor 1 epsilon-1, Multisynthetase complex auxiliary component p18, Elongation factor p18	Cytoplasm. Nucleus. Note=Cytoplasmic under growth arrest conditions. Translocated into the nucleus when growth resumes (S phase) and following DNA damage.		0
O43670	10	8								Zinc finger protein 207	Nucleus (Probable).		0
O43707			68	46	39				8	Alpha-actinin-4, Non-muscle alpha-actinin 4, F-actin cross-linking protein	Nucleus. Cytoplasm. Note=Colocalizes with actin stress fibers. Nuclear translocation can be induced by the PI3 kinase inhibitor wortmannin or by cytochalasin D. Exclusively localized in the nucleus in a limited number of cell lines (breast cancer cell line MCF7, oral floor cancer IMC2, and bladder cancer KU7).		0
O43809	7					7	2	15		Cleavage and polyadenylation specificity factor subunit 5, Cleavage and polyadenylation specificity factor 25 kDa subunit, CPSF 25 kDa subunit, Pre-mRNA cleavage factor Im 25 kDa subunit, Nucleoside diphosphate-linked moiety X motif 21, Nudix motif 21	Nucleus. Note=In punctate subnuclear structures localized adjacent to nuclear speckles, called paraspeckles.		0
O43854								64		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	Secreted.		0
O60256									5	Phosphoribosyl pyrophosphate synthetase-associated protein 2, PRPP synthetase-associated protein 2, 41 kDa phosphoribosylpyrophosphate synthetase-associated protein, PAP41	Entry not found!		0

Total Protein Identified

O60506				3							Heterogeneous nuclear ribonucleoprotein Q, hnRNP Q, hnRNP-Q, Synaptotagmin-binding, cytoplasmic RNA-interacting protein, Glycine- and tyrosine-rich RNA-binding protein, GRY-RBP, NS1-associated protein 1	Cytoplasm (By similarity). Microsome (By similarity). Nucleus (By similarity). Note=The tyrosine phosphorylated form bound to RNA is found in microsomes (By similarity)., Isoform 1: Nucleus, nucleoplasm (By similarity). Note=Expressed predominantly in the nucleoplasm (By similarity)., Isoform 2: Nucleus, nucleoplasm (By similarity). Note=Expressed predominantly in the nucleoplasm (By similarity)., Isoform 3: Nucleus, nucleoplasm (By similarity). Note=Expressed predominantly in the nucleoplasm (By similarity).			0
O60664		2		10	51	14	23	8	34	98	Mannose-6-phosphate receptor-binding protein 1, Cargo selection protein TIP47, 47 kDa mannose 6-phosphate receptor-binding protein, 47 kDa MPR-binding protein, Placental protein 17, PP17	Cytoplasm. Endosome. Note=Membrane associated on endosomes. Detected in the envelope and the core of lipid bodies and in lipid sails.			0
O60749					3						Sorting nexin-2, Transformation-related gene 9 protein, TRG9	Entry not found!			0
O60884										3	DnaJ homolog subfamily A member 2, HIRA-interacting protein 4, Cell cycle progression restoration gene 3 protein, Dnj3, Dj3, Renal carcinoma antigen NY-REN-14	Membrane; Lipid-anchor (Potential).			0
O60888	3	2			3						Protein CutA precursor, Brain acetylcholinesterase putative membrane anchor, Acetylcholinesterase-associated protein	Entry not found!			0
O75367	88	50	23			18					Core histone macro-H2A.1, Histone macroH2A1, mH2A1, H2A.y, H2A/y, Medulloblastoma antigen MU-MB-50.205	Nucleus. Note=Enriched in inactive X chromosome chromatin and in senescence-associated heterochromatin.			0

Total Protein Identified

O75369					3						Filamin-B, FLN-B, Beta-filamin, Actin-binding-like protein, Thyroid autoantigen, Truncated actin-binding protein, Truncated ABP, ABP-280 homolog, ABP-278, Filamin 3, Filamin homolog 1, Fh1	Isoform 1: Cytoplasm, cell cortex. Cytoplasm, cytoskeleton. Cytoplasm, myofibril, sarcomere, Z-disk. Note=In differentiating myotubes, isoform 1, isoform 2 and isoform 3 are localized diffusely throughout the cytoplasm with regions of enrichment at the longitudinal actin stress fiber. In differentiated tubes, isoform 1 is also detected within the Z-lines., Isoform 2: Cytoplasm, cytoskeleton. Note=Predominantly localized at actin stress fibers., Isoform 3: Cytoplasm, cytoskeleton. Note=Predominantly localized at actin stress fibers., Isoform 6: Cytoplasm, cytoskeleton. Note=Polarized at the periphery of myotubes.			0	
O75381										7	Peroxisomal membrane protein PEX14, Peroxisomal membrane anchor protein PEX14, Peroxin-14, PTS1 receptor-docking protein	Peroxisome membrane; Peripheral membrane protein; Cytoplasmic side.			0	
O75531	12										Barrier-to-autointegration factor, Breakpoint cluster region protein 1	Nucleus. Cytoplasm. Note=Significantly enriched at the nuclear inner membrane, diffusely throughout the nucleus during interphase and concentrated at the chromosomes during the M-phase. May be included in HIV-1 virions via its interaction with viral GAG polyprotein.			0	
O76021	14	7	22							20	Ribosomal L1 domain-containing protein 1, Cellular senescence-inhibited gene protein, Protein PBK1, CATX-11	Nucleus, nucleolus.			0	
O94759										2	Transient receptor potential cation channel subfamily M member 2, Long transient receptor potential channel 2, LTrpC2, LTrpC-2, Transient receptor potential channel 7, TrpC7, Estrogen-responsive element-associated gene 1 protein	Membrane; Multi-pass membrane protein.			6	
O95232			2							2	39	Cisplatin resistance-associated overexpressed protein, cAMP regulatory element-associated protein 1, CRE-associated protein 1, CREAP-1, Luc7A, Okadaic acid-inducible phosphoprotein OA48-18	Nucleus speckle. Note=The subnuclear localization is affected by cisplatin.			0
O95471	6	3										Claudin-7, CLDN-7	Cell junction, tight junction; Multi-pass membrane protein.			4

Total Protein Identified

O95573			3							Long-chain-fatty-acid--CoA ligase 3, Long-chain acyl-CoA synthetase 3, LACS 3	Mitochondrion outer membrane; Single-pass type III membrane protein (By similarity). Peroxisome membrane; Single-pass type III membrane protein (By similarity). Microsome membrane; Single-pass type III membrane protein (By similarity). Endoplasmic reticulum membrane; Single-pass type III membrane protein (By similarity).		1	
O96008									3	Mitochondrial import receptor subunit TOM40 homolog, Translocase of outer membrane 40 kDa subunit homolog, Protein Haymaker, p38.5	Mitochondrion outer membrane; Multi-pass membrane protein.		0	
P00338			56	57	16		41	4	20	50	L-lactate dehydrogenase A chain, LDH-A, LDH muscle subunit, LDH-M, Renal carcinoma antigen NY-REN-59, Cell proliferation-inducing gene 19 protein	Cytoplasm.		0
P00390	14	4	3	2		2	6	4			Glutathione reductase, mitochondrial precursor, GR, GRase	Mitochondrion. Cytoplasm.		0
P00441	3										Superoxide dismutase [Cu-Zn]	Cytoplasm.		0
P00492			5		3		25		18	42	Hypoxanthine-guanine phosphoribosyltransferase, HGPRT, HGPRTase	Cytoplasm.		0
P00918		6			2						Carbonic anhydrase 2, Carbonic anhydrase II, Carbonate dehydratase II, CA-II, Carbonic anhydrase C, CAC	Cytoplasm.		0
P01034							4				Cystatin-C precursor, Cystatin-3, Neuroendocrine basic polypeptide, Gamma-trace, Post-gamma-globulin	Secreted.		0
P02533							23				Keratin, type I cytoskeletal 14, Cytokeratin-14, CK-14, Keratin-14, K14	Entry not found!		0
P02545		3			31	10			144	97	Lamin-A/C, 70 kDa lamin, Renal carcinoma antigen NY-REN-32	Nucleus.		0
P02794								15			Ferritin heavy chain, Ferritin H subunit, Cell proliferation-inducing gene 15 protein	Entry not found!		0
P04179						11	33	18			Superoxide dismutase [Mn], mitochondrial precursor	Mitochondrion matrix.		0
P04181				39							Ornithine aminotransferase, mitochondrial precursor, Ornithine--oxo-acid aminotransferase	Mitochondrion matrix.		0
P04264	23	5	53		32	6	97				Keratin, type II cytoskeletal 1, Cytokeratin-1, CK-1, Keratin-1, K1, 67 kDa cytokeratin, Hair alpha protein	Entry not found!		0
P04632				11	23		2		19	29	Calpain small subunit 1, CSS1, Calcium-dependent protease small subunit 1, Calcium-dependent protease small subunit, CDPS, Calpain regulatory subunit, Calcium-activated neutral proteinase small subunit, CANP small subunit	Cytoplasm (By similarity). Cell membrane (By similarity). Note=Translocates to the plasma membrane upon calcium binding (By similarity).		0
P04792				55	94	25	8		86	215	Heat shock protein beta-1, HspB1, Heat shock 27 kDa protein, HSP 27, Stress-responsive protein 27, SRP27, Estrogen-regulated 24 kDa protein, 28 kDa heat shock protein	Cytoplasm. Nucleus. Note=Cytoplasmic in interphase cells. Colocalizes with mitotic spindles in mitotic cells. Translocates to the nucleus during heat shock.		0
P04899					4						Guanine nucleotide-binding protein G(i), alpha-2 subunit, Adenylate cyclase-inhibiting G alpha protein	Entry not found!		0
P05023	7		39	19	17						Sodium/potassium-transporting ATPase subunit alpha-1 precursor, Sodium pump subunit alpha-1, Na(+)/K(+) ATPase alpha-1 subunit	Membrane; Multi-pass membrane protein. Melanosome. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV.		10

Total Protein Identified

P05141			5							ADP/ATP translocase 2, Adenine nucleotide translocator 2, ANT 2, ADP,ATP carrier protein 2, Solute carrier family 25 member 5, ADP,ATP carrier protein, fibroblast isoform	Mitochondrion inner membrane; Multi-pass membrane protein.		6		
P05198			5							Eukaryotic translation initiation factor 2 subunit 1, Eukaryotic translation initiation factor 2 subunit alpha, eIF-2-alpha, EIF-2alpha, EIF-2A	Entry not found!		0		
P05386			17							60S acidic ribosomal protein P1	Entry not found!		0		
P05387			16	8			7	14	9	60S acidic ribosomal protein P2, Renal carcinoma antigen NY-REN-44	Entry not found!		0		
P05388			7	60	15	5		27	44	60S acidic ribosomal protein P0, L10E	Entry not found!		0		
P05455	4		8	4	6				25	Lupus La protein, Sjogren syndrome type B antigen, SS-B, La ribonucleoprotein, La autoantigen	Nucleus (Probable).		0		
P05787	4	3			67				5	Keratin, type II cytoskeletal 8, Cytokeratin-8, CK-8, Keratin-8, K8	Cytoplasm.		0		
P06132			4							Uroporphyrinogen decarboxylase, URO-D, UPD	Cytoplasm.		0		
P06396			9	25					8	Gelsolin precursor, Actin-depolymerizing factor, ADF, Brevin, AGEL	Isoform 2: Cytoplasm, cytoskeleton., Isoform 1: Secreted.		0		
P06576			9	17	8	2		37	280	ATP synthase subunit beta, mitochondrial precursor	Mitochondrion. Mitochondrion inner membrane. Note=Peripheral membrane protein.		0		
P06703	3			18	4		4	5	16	Protein S100-A6, S100 calcium-binding protein A6, Calcyclin, Prolactin receptor-associated protein, PRA, Growth factor-inducible protein 2A9, MLN 4	Entry not found!		0		
P06744	8	5	23	14	4		12		6	Glucose-6-phosphate isomerase, GPI, Phosphoglucose isomerase, PGI, Phosphohexose isomerase, PHI, Neuroleukin, NLK, Sperm antigen 36, SA-36	Cytoplasm.		0		
P06753	2				11				4	Tropomyosin alpha-3 chain, Tropomyosin-3, Tropomyosin gamma, hTM5	Entry not found!		0		
P07195	7	12	31	60	28		40		21	35	L-lactate dehydrogenase B chain, LDH-B, LDH heart subunit, LDH-H, Renal carcinoma antigen NY-REN-46	Cytoplasm.		0	
P07305	40	24									Histone H1.0, Histone H1(0), Histone H1'	Nucleus.		0	
P07437						44					Tubulin beta chain, Tubulin beta-5 chain	Entry not found!		0	
P07737	2	15		26	28	9	51		34	31	Profilin-1, Profilin I	Entry not found!		0	
P07900			25	32	21		18			53	96	Heat shock protein HSP 90-alpha, HSP 86, Renal carcinoma antigen NY-REN-38	Cytoplasm. Melanosome. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV.		0
P07910					2							Heterogeneous nuclear ribonucleoproteins C1/C2, hnRNP C1 / hnRNP C2	Nucleus. Note=Component of ribonucleosomes.		0
P07954				5						3		Fumarate hydratase, mitochondrial precursor, Fumarase	Mitochondrion. Cytoplasm.		0
P08107		4		18	12					16		Heat shock 70 kDa protein 1, HSP70.1, HSP70-1/HSP70-2	Entry not found!		0
P08133			6		4							Annexin A6, Annexin-6, Annexin VI, Lipocortin VI, P68, P70, Protein III, Chromobindin-20, 67 kDa calelectrin, Calphobindin-II, CPB-II	Cytoplasm (By similarity). Melanosome. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV.		0
P08238			89	13	46	11			9	17		Heat shock protein HSP 90-beta, HSP 84, HSP 90	Cytoplasm. Melanosome. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV.		0
P08670			42	47	49				7	15		Vimentin	Entry not found!		0
P08708				29								40S ribosomal protein S17	Entry not found!		0
P08727					43							Keratin, type I cytoskeletal 19, Cytokeratin-19, CK-19, Keratin-19, K19	Entry not found!		0
P08729					26							Keratin, type II cytoskeletal 7, Cytokeratin-7, CK-7, Keratin-7, K7, Sarcolectin	Cytoplasm.		0
P08779							75					Keratin, type I cytoskeletal 16, Cytokeratin-16, CK-16, Keratin-16, K16	Entry not found!		0

Total Protein Identified

P09012	8	2				7					U1 small nuclear ribonucleoprotein A, U1 snRNP protein A, U1A protein, U1-A	Nucleus.		0
P09104				26	2			12	9		Gamma-enolase, 2-phospho-D-glycerate hydro-lyase, Neural enolase, Neuron-specific enolase, NSE, Enolase 2	Cytoplasm (By similarity). Cell membrane (By similarity). Note=Can translocate to the plasma membrane in either the homodimeric (alpha/alpha) or heterodimeric (alpha/gamma) form (By similarity).		0
P09211	6	15	5	32	9	6	52				Glutathione S-transferase P, GST class-pi, GSTP1-1	Entry not found!		0
P09382			45	39	19	47	106	27	26	48	Galectin-1, Lectin galactoside-binding soluble 1, Beta-galactoside-binding lectin L-14-I, Lactose-binding lectin 1, S-Lac lectin 1, Galaptin, 14 kDa lectin, HPL, HBL, Putative MAPK-activating protein PM12	Entry not found!		0
P09417				6							Dihydropteridine reductase, HDHPR, Quinoid dihydropteridine reductase	Entry not found!		0
P09429	35	18	8	7	11	16		28	22	17	High mobility group protein B1, High mobility group protein 1, HMG-1	Nucleus.		0
P09493					13		10				Tropomyosin alpha-1 chain, Tropomyosin-1, Alpha-tropomyosin	Entry not found!		0
P09525		5					4				Annexin A4, Annexin-4, Annexin IV, Lipocortin IV, Endonexin I, Chromobindin-4, Protein II, P32.5, Placental anticoagulant protein II, PAP-II, PP4-X, 35-beta calcimedin, Carbohydrate-binding protein P33/P41, P33/41	Entry not found!		0
P09543			9								2',3'-cyclic-nucleotide 3'-phosphodiesterase, CNPase, CNP	Membrane. Melanosome. Note=Firmly bound to membrane structures of brain white matter. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.		0
P09651			8		12						Heterogeneous nuclear ribonucleoprotein A1, Helix-destabilizing protein, Single-strand RNA-binding protein, hnRNP core protein A1	Nucleus. Cytoplasm. Note=Shuttles continuously between the nucleus and the cytoplasm along with mRNA. Component of ribonucleosomes.		0
P09936							21				Ubiquitin carboxyl-terminal hydrolase isozyme L1, UCH-L1, Ubiquitin thioesterase L1, Neuron cytoplasmic protein 9.5, PGP 9.5, PGP9.5	Cytoplasm.		0
P09972				17							Fructose-bisphosphate aldolase C, Brain-type aldolase	Entry not found!		0
P0C0S5						116			37		Histone H2A.Z, H2A/z	Nucleus.		0
P10412		42						42			Histone H1.4, Histone H1b	Nucleus.		0
P10809	6	10		72	26	22			28	308	60 kDa heat shock protein, mitochondrial precursor, Heat shock protein 60, HSP-60, Hsp60, 60 kDa chaperonin, Chaperonin 60, CPN60, Mitochondrial matrix protein P1, P60 lymphocyte protein, HuCHA60	Mitochondrion matrix.		0
P11142		8	23	83	65	30	57		40	93	Heat shock cognate 71 kDa protein, Heat shock 70 kDa protein 8	Cytoplasm. Melanosome. Note=Translocates rapidly from the cytoplasm to the nuclei, and especially to the nucleoli, upon heat shock. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.		0
P11177			3		3						Pyruvate dehydrogenase E1 component subunit beta, mitochondrial precursor, PDHE1-B	Mitochondrion matrix.		0
P11216			50								Glycogen phosphorylase, brain form	Entry not found!		0
P11217			2								Glycogen phosphorylase, muscle form, Myophosphorylase	Entry not found!		0

Total Protein Identified

P11532								2		Dystrophin	Cell membrane, sarcolemma; Peripheral membrane protein; Cytoplasmic side. Cytoplasm, cytoskeleton.		0	
P12004				3						Proliferating cell nuclear antigen, PCNA, Cyclin	Nucleus.		0	
P12268			14							Inosine-5'-monophosphate dehydrogenase 2, IMP dehydrogenase 2, IMPDH-II, IMPD 2	Entry not found!		0	
P12277				17				19	35	Creatine kinase B-type, Creatine kinase B chain, B-CK	Cytoplasm.		0	
P12429				32		9	6	25	10	Annexin A3, Annexin-3, Annexin III, Lipocortin III, Placental anticoagulant protein III, PAP-III, 35-alpha calcimedlin, Inositol 1,2-cyclic phosphate 2-phosphohydrolase	Entry not found!		0	
P12814			4	7	3		7		10	19	Alpha-actinin-1, Alpha-actinin cytoskeletal isoform, Non-muscle alpha-actinin-1, F-actin cross-linking protein	Cytoplasm, cytoskeleton. Cytoplasm, myofibril, sarcomere, Z-disk. Note=Colocalizes with MYOZ2 and PPP3CA at the Z-line of heart and skeletal muscle.		0
P12955			2							Xaa-Pro dipeptidase, X-Pro dipeptidase, Proline dipeptidase, Prolidase, Imidodipeptidase, Peptidase D	Entry not found!		0	
P12956			3							ATP-dependent DNA helicase 2 subunit 1, ATP-dependent DNA helicase II 70 kDa subunit, Lupus Ku autoantigen protein p70, Ku70, 70 kDa subunit of Ku antigen, Thyroid-lupus autoantigen, TLAA, CTC box-binding factor 75 kDa subunit, CTCBF, CTC75, DNA-repair protein XRCC6	Nucleus.		0	
P13010			9		4					17	ATP-dependent DNA helicase 2 subunit 2, ATP-dependent DNA helicase II 80 kDa subunit, Lupus Ku autoantigen protein p86, Ku86, Ku80, 86 kDa subunit of Ku antigen, Thyroid-lupus autoantigen, TLAA, CTC box-binding factor 85 kDa subunit, CTCBF, CTC85, Nuclear factor IV, DNA-repair protein XRCC5	Nucleus.		0
P13639			53		18					8	Elongation factor 2, EF-2	Cytoplasm.		0
P13645	3	3	9		6	7	13	2			Keratin, type I cytoskeletal 10, Cytokeratin-10, CK-10, Keratin-10, K10	Entry not found!		0
P13693					2						Translationally-controlled tumor protein, TCTP, p23, Histamine-releasing factor, HRF, Fortilin	Cytoplasm.		0
P13797					41						Plastin-3, T-plastin	Cytoplasm.		0
P13804				6						11	Electron transfer flavoprotein subunit alpha, mitochondrial precursor, Alpha-ETF	Mitochondrion matrix.		0
P14174			4	7					7		Macrophage migration inhibitory factor, MIF, Phenylpyruvate tautomerase, Glycosylation-inhibiting factor, GIF	Entry not found!		0
P14678	9		13					3	5		Small nuclear ribonucleoprotein-associated proteins B and B', snRNP-B, Sm protein B/B', Sm-B/Sm-B', SmB/SmB'	Nucleus.		0
P14927			2		6						Cytochrome b-c1 complex subunit 7, Ubiquinol-cytochrome c reductase complex 14 kDa protein, Complex III subunit 7, Complex III subunit VII, QP-C	Mitochondrion inner membrane.		0
P15311	2	3			2				22	78	Ezrin, p81, Cytovillin, Villin-2	Membrane. Note=Localization to the apical membrane of parietal cells depends on the interaction with MPP5. Localizes to cell extensions and peripheral processes of astrocytes (By similarity). Microvillar peripheral membrane protein (cytoplasmic side).		0

Total Protein Identified

P15531	5	2	28		11	11	38	17	9	7	Nucleoside diphosphate kinase A, NDK A, NDP kinase A, Tumor metastatic process-associated protein, Metastasis inhibition factor nm23, nm23-H1, Granzyme A-activated DNase, GAAD	Cytoplasm. Nucleus.		0
P15559	5										NAD(P)H dehydrogenase [quinone] 1, Quinone reductase 1, NAD(P)H:quinone oxidoreductase 1, QR1, DT-diaphorase, DTD, Azoreductase, Phylloquinone reductase, Menadiione reductase	Cytoplasm.		0
P15880	15	7	23			9		19			40S ribosomal protein S2, S4, LLRep3 protein	Entry not found!		0
P16152				8							Carbonyl reductase [NADPH] 1, NADPH-dependent carbonyl reductase 1, Prostaglandin-E(2) 9-reductase, Prostaglandin 9-ketoreductase, 15-hydroxyprostaglandin dehydrogenase [NADP+]	Cytoplasm.		0
P16401	21	26				13		10			Histone H1.5, Histone H1a	Nucleus.		0
P16402	24				9	27				4	Histone H1.3, Histone H1c	Nucleus.		0
P16403			24								Histone H1.2, Histone H1d	Nucleus.		0
P17174	11		10			23			39	88	Aspartate aminotransferase, cytoplasmic, Transaminase A, Glutamate oxaloacetate transaminase 1	Cytoplasm.		0
P17931				10							Galectin-3, Galactose-specific lectin 3, Mac-2 antigen, IgE-binding protein, 35 kDa lectin, Carbohydrate-binding protein 35, CBP 35, Laminin-binding protein, Lectin L-29, L-31, Galactoside-binding protein, GALBP	Nucleus. Note=Cytoplasmic in adenomas and carcinomas. May be secreted by a non-classical secretory pathway and associate with the cell surface.		0
P17987										6	T-complex protein 1 subunit alpha, TCP-1-alpha, CCT-alpha	Cytoplasm.		0
P18124			22	7							60S ribosomal protein L7	Entry not found!		0
P18206							65	7		12	Vinculin, Metavinculin	Cytoplasm, cytoskeleton. Cell junction, adherens junction; Cytoplasmic side. Note=Cytoplasmic face of adhesion plaques.		0
P18583		8			4				7	38	SON protein, SON3, Negative regulatory element-binding protein, NRE-binding protein, DBP-5, Bax antagonist selected in saccharomyces 1, BASS1	Nucleus speckle.		0
P18621	22	14									60S ribosomal protein L17, L23, PD-1	Entry not found!		0
P18669		3		48	8		12				Phosphoglycerate mutase 1, Phosphoglycerate mutase isozyme B, PGAM-B, BPG-dependent PGAM 1	Entry not found!		0
P18859	3				13						ATP synthase-coupling factor 6, mitochondrial precursor, ATPase subunit F6	Mitochondrion. Mitochondrion inner membrane.		0
P19105					15		8		10	9	Myosin regulatory light chain 2, nonsarcomeric, Myosin RLC	Entry not found!		0
P19338	13	13	35	3	7	12	5	12		11	Nucleolin, Protein C23	Nucleus, nucleolus.		0
P20290	2					2					Transcription factor BTF3, RNA polymerase B transcription factor 3	Nucleus.		0
P20591					6						Interferon-induced GTP-binding protein Mx1, Myxovirus resistance protein 1, Interferon-regulated resistance GTP-binding protein MxA, Interferon-induced protein p78, IFI-78K	Cytoplasm.		0
P20618	5	3			45	29	25	13	82	23	Proteasome subunit beta type-1 precursor, Proteasome component C5, Macropain subunit C5, Multicatalytic endopeptidase complex subunit C5, Proteasome gamma chain	Cytoplasm. Nucleus.		0
P20674	3				4						Cytochrome c oxidase subunit 5A, mitochondrial precursor, Cytochrome c oxidase polypeptide Va	Mitochondrion inner membrane.		0
P20700									8	14	Lamin-B1	Nucleus inner membrane; Lipid anchor; Nucleoplasmic side.		0
P20810					2						Calpastatin, Calpain inhibitor, Sperm BS-17 component	Entry not found!		0
P20908					7	59				14	Collagen alpha-1(V) chain precursor	Secreted, extracellular space, extracellular matrix (By similarity).		0

Total Protein Identified

P21291			5							Cysteine and glycine-rich protein 1, Cysteine-rich protein 1, CRP1, CRP	Nucleus.		0	
P21333					39	4	91	18	16	24	Filamin-A, Alpha-filamin, Filamin-1, Endothelial actin-binding protein, Actin-binding protein 280, ABP-280, Non-muscle filamin	Cytoplasm, cell cortex.		0
P21796						18	2	30	8	38	Voltage-dependent anion-selective channel protein 1, VDACC1, hVDAC1, Outer mitochondrial membrane protein porin 1, Plasmalemmal porin, Porin 31HL, Porin 31HM	Mitochondrion outer membrane. Cell membrane.		0
P22061			8	8			3				Protein-L-isoaspartate(D-aspartate) O-methyltransferase, Protein-beta-aspartate methyltransferase, PIMT, Protein L-isoaspartyl/D-aspartyl methyltransferase, L-isoaspartyl protein carboxyl methyltransferase	Cytoplasm.		0
P22234	7	2	13	46		8	19	31			Multifunctional protein ADE2	Entry not found!		0
P22307	19	5			16	11	3	5		4	Non-specific lipid-transfer protein, Propanoyl-CoA C-acyltransferase, NSL-TP, Sterol carrier protein 2, SCP-2, Sterol carrier protein X, SCP-X, SCP-chi, SCPX	Cytoplasm. Mitochondrion. Note=Cytoplasmic in the liver and also associated with mitochondria especially in steroidogenic tissues., Isoform SCPX: Peroxisome.		0
P22314			6	8	8					5	Ubiquitin-like modifier-activating enzyme 1, Ubiquitin-activating enzyme E1, Protein A1S9	Entry not found!		0
P22626		3	26		20					4	Heterogeneous nuclear ribonucleoproteins A2/B1, hnRNP A2 / hnRNP B1	Nucleus. Note=Component of ribonucleosomes.		0
P23246				6	3						Splicing factor, proline- and glutamine-rich, Polypyrimidine tract-binding protein-associated-splicing factor, PTB-associated-splicing factor, PSF, DNA-binding p52/p100 complex, 100 kDa subunit, 100 kDa DNA-pairing protein, hPOMP100	Nucleus matrix. Note=Predominantly in nuclear matrix.		0
P23284	5	8	47	68	11	11	7		14	33	Peptidyl-prolyl cis-trans isomerase B precursor, PPIase, Rotamase, Cyclophilin B, S-cyclophilin, SCYLP, CYP-S1	Endoplasmic reticulum lumen. Melanosome. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV.		0
P23381				55							Tryptophanyl-tRNA synthetase, cytoplasmic, Tryptophan--tRNA ligase, TrpRS, Interferon-induced protein 53, IFP53, hWRS	Cytoplasm.		0
P23396	14	3	9	15	2		26	6		8	40S ribosomal protein S3	Entry not found!		0
P23511	2										Nuclear transcription factor Y subunit alpha, Nuclear transcription factor Y subunit A, NF-YA, CAAT-box DNA-binding protein subunit A	Nucleus.		0
P23528	4	19	22	16	24	26	54		32	43	Cofilin-1, Cofilin, non-muscle isoform, 18 kDa phosphoprotein, p18	Nucleus matrix. Cytoplasm, cytoskeleton. Note=Almost completely in nucleus in cells exposed to heat shock or 10% dimethyl sulfoxide.		0
P24539										10	ATP synthase subunit b, mitochondrial precursor	Mitochondrion. Mitochondrion inner membrane.		0
P24752										8	Acetyl-CoA acetyltransferase, mitochondrial precursor, Acetoacetyl-CoA thiolase, T2	Mitochondrion.		0
P25325				5							3-mercaptopyruvate sulfurtransferase, MST	Cytoplasm.		0
P25705			7		2					12	ATP synthase subunit alpha, mitochondrial precursor	Mitochondrion inner membrane. Note=Peripheral membrane protein.		0
P25788				21	4				15	12	Proteasome subunit alpha type-3, Proteasome component C8, Macropain subunit C8, Multicatalytic endopeptidase complex subunit C8	Cytoplasm. Nucleus.		0
P25815	4	2									Protein S100-P, S100 calcium-binding protein P	Nucleus. Cytoplasm. Note=Colocalizes with S100PBP in the nucleus.		0

Total Protein Identified

P26038			14	35	40	40	26	21	86	182	Moesin, Membrane-organizing extension spike protein	Cytoplasm (By similarity). Note=Phosphorylated form is enriched in microvilli-like structures at apical membrane (By similarity).		0
P26368										11	Splicing factor U2AF 65 kDa subunit, U2 auxiliary factor 65 kDa subunit, hU2AF65, hU2AF(65), U2 snRNP auxiliary factor large subunit	Nucleus.		0
P26373	8	7	11	7				12			60S ribosomal protein L13, Breast basic conserved protein 1	Entry not found!		0
P26447									7	5	Protein S100-A4, S100 calcium-binding protein A4, Metastasin, Protein Mts1, Placental calcium-binding protein, Calvasculin	Entry not found!		0
P26583	13	9								2	High mobility group protein B2, High mobility group protein 2, HMG-2	Nucleus.		0
P26599	4		8		3				6	54	Polypyrimidine tract-binding protein 1, PTB, Heterogeneous nuclear ribonucleoprotein I, hnRNP I, 57 kDa RNA-binding protein PPTB-1	Nucleus.		0
P26641			11	55	5				5	24	Elongation factor 1-gamma, EF-1-gamma, eEF-1B gamma	Entry not found!		0
P26885	5	7			7		14	6			FK506-binding protein 2 precursor, Peptidyl-prolyl cis-trans isomerase, PPIase, Rotamase, 13 kDa FKBP, FKBP-13	Endoplasmic reticulum membrane; Peripheral membrane protein (Probable).		0
P27105			27	15							Erythrocyte band 7 integral membrane protein, Stomatin, Protein 7.2b	Cell membrane; Single-pass membrane protein; Cytoplasmic side. Cell membrane; Lipid-anchor; Cytoplasmic side. Melanosome. Note=Exposed on the cytoplasmic surface of the membrane. Associated with lipid rafts. Concentrates preferentially in plasma membrane protrusions and in a juxta-nuclear region which may represent Golgi-derived vesicles. Colocalizes with actin. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.		1
P27348		4		8	14	4	25		14	39	14-3-3 protein theta, 14-3-3 protein tau, 14-3-3 protein T-cell, Protein HS1	Cytoplasm. Note=In neurons, axonally transported to the nerve terminals.		0
P27635			4								60S ribosomal protein L10, Protein QM, Tumor suppressor QM, Laminin receptor homolog	Entry not found!		0
P27658								4			Collagen alpha-1(VIII) chain precursor, Endothelial collagen	Secreted, extracellular space, extracellular matrix, basement membrane.		0
P27695	37	9	9	11		9	24	15		14	DNA-(apurinic or apyrimidinic site) lyase, AP endonuclease 1, APEX nuclease, APEN, Protein REF-1	Nucleus.		0
P27708			5								CAD protein	Cytoplasm.		0
P27816			3				3	5	4	4	Microtubule-associated protein 4, MAP 4	Entry not found!		0
P27824			30	9	3	13		6		104	Calnexin precursor, Major histocompatibility complex class I antigen-binding protein p88, p90, IP90	Endoplasmic reticulum membrane; Single-pass type I membrane protein. Melanosome. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV.		1

Total Protein Identified

P28066				8	2					Proteasome subunit alpha type-5, Proteasome zeta chain, Macropain zeta chain, Multicatalytic endopeptidase complex zeta chain	Cytoplasm. Nucleus.		0	
P29373					3					Cellular retinoic acid-binding protein 2, Cellular retinoic acid-binding protein II, CRABP-II, Retinoic acid-binding protein II, cellular	Cytoplasm. Nucleus. Note=Upon ligand binding, a conformation change exposes a nuclear localization motif and the protein is transported into the nucleus.		0	
P29475			2							Nitric oxide synthase, brain, bNOS, NOS type I, Neuronal NOS, N-NOS, nNOS, Constitutive NOS, NC-NOS	Cell membrane, sarcolemma; Peripheral membrane protein. Cell projection, dendritic spine (By similarity). Note=In skeletal muscle, it is localized beneath the sarcolemma of fast-twitch muscle fiber by associating with the dystrophin glycoprotein complex. In neurons, enriched in dendritic spines (By similarity).		0	
P29966					6		27	14	4	28	Myristoylated alanine-rich C-kinase substrate, MARCKS, Protein kinase C substrate, 80 kDa protein, light chain, PKCSL, 80K-L protein	Cytoplasm, cytoskeleton (Probable). Membrane; Lipid-anchor (By similarity).		0
P30043				3							Flavin reductase, FR, NADPH-dependent diaphorase, NADPH-flavin reductase, FLR, Biliverdin reductase B, BVR-B, Biliverdin-IX beta-reductase, Green heme-binding protein, GHBP	Cytoplasm (Potential).		0
P30044	4			23	39	23	14		4	12	Peroxisome antioxidant enzyme, PLP, Thioredoxin reductase, Thioredoxin peroxidase PMP20, Antioxidant enzyme B166, AOEB166, TPx type VI, Liver tissue 2D-page spot 71B, Alu corepressor 1	Mitochondrion. Cytoplasm. Peroxisome.		0
P30046				13							D-dopachrome decarboxylase, D-dopachrome tautomerase, Phenylpyruvate tautomerase II	Cytoplasm (By similarity).		0
P30048	11	4			13		14			9	Thioredoxin-dependent peroxide reductase, mitochondrial precursor, Peroxisome antioxidant enzyme, PRX III, Antioxidant protein 1, AOP-1, Protein MER5 homolog, HBC189	Mitochondrion.		0
P30049								3			ATP synthase subunit delta, mitochondrial precursor	Mitochondrion. Mitochondrion inner membrane.		0
P30050	25	12	64	24	10	16		31		12	60S ribosomal protein L12	Entry not found!		0
P30101	48	106	100	183	101		23	15	56	166	Protein disulfide-isomerase A3 precursor, Disulfide isomerase ER-60, ERp60, 58 kDa microsomal protein, p58, ERp57, 58 kDa glucose-regulated protein	Endoplasmic reticulum lumen (By similarity). Melanosome. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV.		0
P30740	6	7				4					Leukocyte elastase inhibitor, LEI, Serpin B1, Monocyte/neutrophil elastase inhibitor, M/NEI, EI	Cytoplasm (By similarity).		0
P31040	2										Succinate dehydrogenase [ubiquinone] flavoprotein subunit, mitochondrial precursor, Fp, Flavoprotein subunit of complex II	Mitochondrion inner membrane.		0
P31150				2							Rab GDP dissociation inhibitor alpha, Rab GDI alpha, Guanosine diphosphate dissociation inhibitor 1, GDI-1, Oligophrenin-2, Protein XAP-4	Cytoplasm (By similarity).		0
P31943					7						Heterogeneous nuclear ribonucleoprotein H, hnRNP H	Nucleus, nucleoplasm.		0

Total Protein Identified

P31946				26	14				29	14-3-3 protein beta/alpha, Protein kinase C inhibitor protein 1, KCIP-1, Protein 1054	Cytoplasm. Melanosome. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV.		0	
P31948				4						Stress-induced-phosphoprotein 1, ST11, Hsc70/Hsp90-organizing protein, Hop, Transformation-sensitive protein IEF SSP 3521, NY-REN-11 antigen	Cytoplasm (By similarity). Nucleus (By similarity).		0	
P31949	6				17		19	7	9	19	Protein S100-A11, S100 calcium-binding protein A11, Protein S100C, Calgizzarin, MLN 70	Entry not found!	0	
P32119		4	18	7	52	53	30	29	27	55	Peroxiredoxin-2, Thioredoxin peroxidase 1, Thioredoxin-dependent peroxide reductase 1, Thiol-specific antioxidant protein, TSA, PRP, Natural killer cell-enhancing factor B, NKEF-B	Cytoplasm.	0	
P33992				6							DNA replication licensing factor MCM5, CDC46 homolog, P1-CDC46	Nucleus.	0	
P34931	2										Heat shock 70 kDa protein 1L, Heat shock 70 kDa protein 1-like, Heat shock 70 kDa protein 1-Hom, HSP70-Hom	Entry not found!	0	
P34932					4					5	Heat shock 70 kDa protein 4, Heat shock 70-related protein APG-2, HSP70RY	Cytoplasm (Probable).	0	
P35221				4	13				2		Catenin alpha-1, Cadherin-associated protein, Alpha E-catenin, NY-REN-13 antigen	Cytoplasm, cytoskeleton. Cell junction, adherens junction; Cytoplasmic side. Cell junction; Cytoplasmic side. Note=Found at cell-cell boundaries and probably at cell-matrix boundaries.	0	
P35222					4						Catenin beta-1, Beta-catenin	Cytoplasm. Nucleus. Note=Cytoplasmic when it is unstabilized (high level of phosphorylation) or bound to CDH1. Translocates to the nucleus when it is stabilized (low level of phosphorylation). Interaction with GLIS2 and MUC1 promotes nuclear translocation.	0	
P35237				7							Serin B6, Placental thrombin inhibitor, Cytoplasmic antiproteinase, CAP, Proteinase inhibitor 6, PI-6	Cytoplasm.	0	
P35241					7			3	7	4	25	Radixin	Cell membrane. Cytoplasm, cytoskeleton. Note=Highly concentrated in the undercoat of the cell-to-cell adherens junction and the cleavage furrow in the interphase and mitotic phase, respectively.	0
P35268	2			11	9						60S ribosomal protein L22, Epstein-Barr virus small RNA-associated protein, EBER-associated protein, EAP, Heparin-binding protein HBp15	Entry not found!	0	
P35527	9	4	27	9	6		42				Keratin, type I cytoskeletal 9, Cytokeratin-9, CK-9, Keratin-9, K9	Entry not found!	0	
P35579	10	2	8		18	3	10	18			Myosin-9, Myosin heavy chain 9, Myosin heavy chain, non-muscle IIa, Non-muscle myosin heavy chain IIa, NMMHC II-a, NMMHC-IIA, Cellular myosin heavy chain, type A, Non-muscle myosin heavy chain-A, NMMHC-A	Entry not found!	0	
P35637						3					RNA-binding protein FUS, Oncogene FUS, Oncogene TLS, Translocated in liposarcoma protein, POMp75, 75 kDa DNA-pairing protein	Nucleus.	0	
P35658						10	3				Nuclear pore complex protein Nup214, Nucleoporin Nup214, 214 kDa nucleoporin, Protein CAN	Nucleus, nuclear pore complex. Note=Cytoplasmic filaments.	0	

Total Protein Identified

P35908	2		4		2						Keratin, type II cytoskeletal 2 epidermal, Cytokeratin-2e, K2e, CK 2e, keratin-2	Entry not found!		0
P36543					7						Vacuolar proton pump subunit E 1, V-ATPase subunit E 1, V-ATPase 31 kDa subunit, P31	Entry not found!		0
P36578	23	20	77	14					31		60S ribosomal protein L4, L1	Entry not found!		0
P36871				3							Phosphoglucosyltransferase-1, PGM 1, Glucose phosphomutase 1	Isoform 1: Cytoplasm.		0
P36957										15	Dihydropyridyllysine-residue succinyltransferase component of 2-oxoglutarate dehydrogenase complex, mitochondrial precursor, Dihydropyridylsuccinyltransferase component of 2-oxoglutarate dehydrogenase complex, E2, E2K	Mitochondrion.		0
P37108	4	5			5					10	Signal recognition particle 14 kDa protein, SRP14, 18 kDa Alu RNA-binding protein	Cytoplasm.		0
P38606				3							Vacuolar ATP synthase catalytic subunit A, V-ATPase subunit A, Vacuolar proton pump subunit alpha, V-ATPase 69 kDa subunit, Vacuolar ATPase isoform VA68	Entry not found!		0
P38646						12				33	Stress-70 protein, mitochondrial precursor, 75 kDa glucose-regulated protein, GRP 75, Heat shock 70 kDa protein 9, Peptide-binding protein 74, PBP74, Mortalin, MOT	Mitochondrion.		0
P39019	6		8	6		8			12		40S ribosomal protein S19	Entry not found!		0
P39023			13		2				7		60S ribosomal protein L3, HIV-1 TAR RNA-binding protein B, TARBP-B	Cytoplasm.		0
P39656		3	3							6	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase 48 kDa subunit precursor, Oligosaccharyl transferase 48 kDa subunit, DDOST 48 kDa subunit	Endoplasmic reticulum membrane; Single-pass type I membrane protein.		1
P40121					3		5				Macrophage-capping protein, Actin regulatory protein CAP-G	Cytoplasm. Nucleus. Melanosome. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV.		0
P40227				30	8		2			58	T-complex protein 1 subunit zeta, TCP-1-zeta, CCT-zeta, CCT-zeta-1, Tcp20, HTR3, Acute morphine dependence-related protein 2	Cytoplasm.		0
P40261							6				Nicotinamide N-methyltransferase	Cytoplasm.		0
P40925				7	13						Malate dehydrogenase, cytoplasmic, Cytosolic malate dehydrogenase	Cytoplasm.		0
P40926				19					4	61	Malate dehydrogenase, mitochondrial precursor	Mitochondrion matrix.		0
P41250			7	8							Glycyl-tRNA synthetase, Glycine-tRNA ligase, GlyRS	Entry not found!		0
P42167	15	11					10	18	6	82	Lamina-associated polypeptide 2, isoforms beta/gamma, Thymopoietin, isoforms beta/gamma, TP beta/gamma, Thymopoietin-related peptide isoforms beta/gamma, TPRP isoforms beta/gamma	Nucleus inner membrane; Single-pass type II membrane protein. Note=Tightly associated with the nuclear lamina.		1
P43243			5								Matrin-3	Nucleus matrix.		0
P43358				15							Melanoma-associated antigen 4, MAGE-4 antigen, MAGE-X2, MAGE-41, Cancer/testis antigen 1.4, CT1.4	Entry not found!		0
P43490	16	11	44	63	71	115	2		91	121	Nicotinamide phosphoribosyltransferase, NAMPTase, Nampt, Pre-B cell-enhancing factor, Pre-B-cell colony-enhancing factor 1, Visfatin	Cytoplasm (By similarity).		0
P45880			3			5				14	Voltage-dependent anion-selective channel protein 2, VDACC2, hVDACC2, Outer mitochondrial membrane protein porin 2	Mitochondrion outer membrane.		0

Total Protein Identified

P46013				2						Antigen KI-67	Nucleus. Note=Predominantly localized in the G1 phase in the perinucleolar region, in the later phases it is also detected throughout the nuclear interior, being predominantly localized in the nuclear matrix. In mitosis, it is present on all chromosomes.		0
P46379					6					Large proline-rich protein BAT3, HLA-B-associated transcript 3, Protein G3	Nucleus. Note=The C-terminal fragment generated by caspase-3 is cytoplasmic.		0
P46778	34	21	32			24		26		60S ribosomal protein L21	Entry not found!		0
P46782	13	9	20		3			16	9	40S ribosomal protein S5	Entry not found!		0
P46783	4									40S ribosomal protein S10	Cytoplasm.		0
P46821					6		3		7	17	Microtubule-associated protein 1B, MAP 1B	Entry not found!	0
P46926				2							Glucosamine-6-phosphate isomerase, Glucosamine-6-phosphate deaminase, GlcN6P deaminase, GNPDA, Oscillin	Cytoplasm (By similarity).	0
P46940			14		22						Ras GTPase-activating-like protein IQGAP1, p195	Cell membrane.	0
P47755	2			22	7		9		11	18	F-actin-capping protein subunit alpha-2, CapZ alpha-2	Entry not found!	0
P47756							10				F-actin-capping protein subunit beta, CapZ beta	Cytoplasm, cytoskeleton (By similarity).	0
P48643			6	12	10	8	4			38	T-complex protein 1 subunit epsilon, TCP-1-epsilon, CCT-epsilon	Cytoplasm.	0
P48668							61				Keratin, type II cytoskeletal 6C, Cytokeratin-6C, CK 6C, K6c keratin, Cytokeratin-6E, CK 6E, Keratin K6h	Entry not found!	0
P49006	3	4	2								MARCKS-related protein, MARCKS-like protein 1, Macrophage myristoylated alanine-rich C kinase substrate, Mac-MARCKS, MacMARCKS	Entry not found!	0
P49321							2			4	Nuclear autoantigenic sperm protein, NASP	Cytoplasm (By similarity). Nucleus.	0
P49327			45	6	3						Fatty acid synthase	Cytoplasm. Melanosome. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV.	0
P49366			7		17	7			14	42	Deoxyhypusine synthase, DHS	Entry not found!	0
P49419				6				3		10	Alpha-aminoacidic semialdehyde dehydrogenase, Alpha-AASA dehydrogenase, Delta1-piperidine-6-carboxylate dehydrogenase, P6c dehydrogenase, Aldehyde dehydrogenase family 7 member A1, Antiquitin-1	Entry not found!	0
P49588			7								Alanyl-tRNA synthetase, cytoplasmic, Alanine--tRNA ligase, AlaRS, Renal carcinoma antigen NY-REN-42	Cytoplasm (Potential).	0
P49902		4									Cytosolic purine 5'-nucleotidase, 5'-nucleotidase cytosolic II	Cytoplasm.	0
P50395				28						10	Rab GDP dissociation inhibitor beta, Rab GDI beta, Guanosine diphosphate dissociation inhibitor 2, GDI-2	Cytoplasm (By similarity). Membrane; Peripheral membrane protein (By similarity).	0
P50502					2		4				Hsc70-interacting protein, Hip, Suppression of tumorigenicity protein 13, Putative tumor suppressor ST13, Protein FAM10A1, Progesterone receptor-associated p48 protein, Renal carcinoma antigen NY-REN-33	Cytoplasm (By similarity).	0
P50914	7		11								60S ribosomal protein L14, CAG-ISL 7	Entry not found!	0
P50990										10	T-complex protein 1 subunit theta, TCP-1-theta, CCT-theta, Renal carcinoma antigen NY-REN-15	Cytoplasm.	0

Total Protein Identified

P50991				8				7	19	T-complex protein 1 subunit delta, TCP-1-delta, CCT-delta, Stimulator of TAR RNA-binding	Cytoplasm. Melanosome. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV.		0
P51572	7	8				16	10	18	5	B-cell receptor-associated protein 31, BCR-associated protein Bap31, p28 Bap31, Protein CDM, 6C6-AG tumor-associated antigen	Endoplasmic reticulum membrane; Multi-pass membrane protein. Endoplasmic reticulum-Golgi intermediate compartment membrane; Multi-pass membrane protein. Note=May shuttle between the ER and the intermediate compartment/cis-Golgi complex.		3
P51610	18	14				23	19	35		Host cell factor, HCF, HCF-1, C1 factor, VP16 accessory protein, VCAF, CFF	Nucleus.		0
P51665	2			14	9			12	14	26S proteasome non-ATPase regulatory subunit 7, 26S proteasome regulatory subunit rpn8, 26S proteasome regulatory subunit S12, Proteasome subunit p40, Mov34 protein homolog	Entry not found!		0
P52209				16						6-phosphogluconate dehydrogenase, decarboxylating	Entry not found!		0
P52272			8	10	12		8	24	57	Heterogeneous nuclear ribonucleoprotein M, hnRNP M	Nucleus, nucleolus.		0
P52565				8			8	5	11	Rho GDP-dissociation inhibitor 1, Rho GDI 1, Rho-GDI alpha	Cytoplasm.		0
P52597			11							Heterogeneous nuclear ribonucleoprotein F, hnRNP F, Nucleolin-like protein mcs94-1	Nucleus, nucleoplasm.		0
P52815								5	5	39S ribosomal protein L12, mitochondrial precursor, L12mt, MRP-L12, 5c5-2	Mitochondrion.		0
P52907				14	4		5			F-actin-capping protein subunit alpha-1, CapZ alpha-1	Entry not found!		0
P53365		2			7	4		5	7	Arfaptin-2, ADP-ribosylation factor-interacting protein 2, Partner of RAC1, Protein POR1	Entry not found!		0
P53367	21	16	3		14		3	6	6	19	Arfaptin-1, ADP-ribosylation factor-interacting protein 1	Entry not found!	0
P53985	11							6			Monocarboxylate transporter 1, MCT 1, Solute carrier family 16 member 1	Cell membrane; Multi-pass membrane protein.	12
P53999					16						Activated RNA polymerase II transcriptional coactivator p15, SUB1 homolog, Positive cofactor 4, PC4, p14	Nucleus.	0
P54577	26	40	14	10	13	8	4		34	33	Tyrosyl-tRNA synthetase, cytoplasmic, Tyrosyl-tRNA ligase, TyrRS	Cytoplasm.	0
P54727		15				7	7	5			UV excision repair protein RAD23 homolog B, hHR23B, XP-C repair-complementing complex 58 kDa protein, p58	Nucleus. Cytoplasm (By similarity).	0
P54819	35	7					3	17		12	Adenylate kinase isoenzyme 2, mitochondrial, ATP-AMP transphosphorylase	Mitochondrion intermembrane space.	0
P55010									9		Eukaryotic translation initiation factor 5, eIF-5	Entry not found!	0
P55060			10								Exportin-2, Exp2, Importin-alpha re-exporter, Chromosome segregation 1-like protein, Cellular apoptosis susceptibility protein	Cytoplasm. Nucleus. Note=Shuttles between the nucleus and the cytoplasm.	0
P55072					4					3	Transitional endoplasmic reticulum ATPase, TER ATPase, 15S Mg(2+)-ATPase p97 subunit, Valosin-containing protein, VCP	Cytoplasm. Nucleus. Note=Present in the neuronal hyaline inclusion bodies specifically found in motor neurons from amyotrophic lateral sclerosis patients. Present in the Lewy bodies specifically found in neurons from Parkinson disease patients.	0
P55209								6	23		Nucleosome assembly protein 1-like 1, NAP-1-related protein, hnRP	Nucleus. Melanosome. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV.	0

Total Protein Identified

P55769									10	NHP2-like protein 1, High mobility group-like nuclear protein 2 homolog 1, U4/U6.U5 tri-snRNP 15.5 kDa protein, OTK27, hSNU13	Nucleus, nucleolus. Note=Concentrated in the dense fibrillar component of the nucleolus.		0	
P56134									8	ATP synthase subunit f, mitochondrial	Mitochondrion. Mitochondrion inner membrane.		0	
P56537	7		9	4			5	5		Eukaryotic translation initiation factor 6, eIF-6, B4 integrin interactor, CAB, p27(BBP), B(2)GCN homolog	Cytoplasm. Nucleus.		0	
P56693			2							Transcription factor SOX-10	Cytoplasm. Nucleus.		0	
P59998					7	3	25			Actin-related protein 2/3 complex subunit 4, Arp2/3 complex 20 kDa subunit, p20-ARC	Cytoplasm, cytoskeleton. Cell projection.		0	
P60033	5	8					13	20		CD81 antigen, 26 kDa cell surface protein TAPA-1, Target of the antiproliferative antibody 1, Tetraspanin-28, Tspan-28	Membrane; Multi-pass membrane protein.		4	
P60174	8	13	35	93	27	4	75	60	119	Triosephosphate isomerase, TIM, Triose-phosphate isomerase	Entry not found!		0	
P60660					15		32		3	9	Myosin light polypeptide 6, Smooth muscle and nonmuscle myosin light chain alkali 6, Myosin light chain alkali 3, Myosin light chain 3, MLC-3, LC17	Entry not found!		0
P60709	26	37	65		261	76	154	37	209		Actin, cytoplasmic 1, Beta-actin	Cytoplasm, cytoskeleton.		0
P60866			9	9		4	15	4			40S ribosomal protein S20	Entry not found!		0
P60903					8						Protein S100-A10, S100 calcium-binding protein A10, Calpactin-1 light chain, Calpactin I light chain, p10 protein, p11, Cellular ligand of annexin II	Entry not found!		0
P61019							5		4		Ras-related protein Rab-2A	Endoplasmic reticulum-Golgi intermediate compartment membrane; Lipid-anchor. Melanosome. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV.		0
P61088					12		2		4		Ubiquitin-conjugating enzyme E2 N, Ubiquitin-protein ligase N, Ubiquitin carrier protein N, Ubc13, Bendless-like ubiquitin-conjugating enzyme	Entry not found!		0
P61106	18	7						4			Ras-related protein Rab-14	Cell membrane; Lipid-anchor; Cytoplasmic side (Potential).		0
P61158			2								Actin-related protein 3, Actin-like protein 3	Cytoplasm, cytoskeleton. Cell projection.		0
P61247	10	5	12					10			40S ribosomal protein S3a	Entry not found!		0
P61289	8	5		23	4	22	14		33	36	Proteasome activator complex subunit 3, Proteasome activator 28 subunit gamma, PA28gamma, PA28g, Activator of multicatalytic protease subunit 3, 11S regulator complex subunit gamma, REG-gamma, Ki nuclear autoantigen	Entry not found!		0
P61353	8	4		9							60S ribosomal protein L27	Entry not found!		0
P61457					4		8				Pterin-4-alpha-carbinolamine dehydratase, PHS, 4-alpha-hydroxy-tetrahydropterin dehydratase, Phenylalanine hydroxylase-stimulating protein, Pterin carbinolamine dehydratase, PCD, Dimerization cofactor of hepatocyte nuclear factor 1-alpha, Dimerization cofactor of HNF1, DCoH	Cytoplasm. Nucleus. Note=Cytoplasmic and/or nuclear.		0
P61604	12	13			2	24	6	22		34	10 kDa heat shock protein, mitochondrial, Hsp10, 10 kDa chaperonin, CPN10, Early-pregnancy factor, EPF	Mitochondrion matrix.		0
P61626	7	9									Lysozyme C precursor, 1,4-beta-N-acetylmuramidase C	Entry not found!		0
P61758					3		7				Prefoldin subunit 3, Von Hippel-Lindau-binding protein 1, VHL-binding protein 1, VBP-1, HIBBJ46	Cytoplasm. Nucleus. Note=In complex with VHL can translocate to the nucleus.		0
P61803								5			Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit DAD1, Oligosaccharyl transferase subunit DAD1, Defender against cell death 1, DAD-1	Membrane; Multi-pass membrane protein (Potential).		2

Total Protein Identified

P61923				5							Coatomer subunit zeta-1, Zeta-1-coat protein, Zeta-1 COP	Cytoplasm (By similarity). Golgi apparatus membrane; Peripheral membrane protein; Cytoplasmic side (By similarity). Cytoplasmic vesicle, COPI-coated vesicle membrane; Peripheral membrane protein; Cytoplasmic side (By similarity). Note=The coatomer is cytoplasmic or polymerized on the cytoplasmic side of the Golgi, as well as on the vesicles/buds originating from it (By similarity).		0
P61978	4	5	21		12	8			11	23	Heterogeneous nuclear ribonucleoprotein K, hnRNP K, Transformation up-regulated nuclear protein, TUNP	Cytoplasm. Nucleus, nucleoplasm.		0
P61981				21	10					19	14-3-3 protein gamma, Protein kinase C inhibitor protein 1, KCIP-1	Cytoplasm (By similarity).		0
P62081	12	12	22	40		16			24	15	40S ribosomal protein S7	Entry not found!		0
P62158					6						Calmodulin, CaM	Spindle. Note=Distributed throughout the cell during interphase, but during mitosis becomes dramatically localized to the spindle poles and the spindle microtubules.		0
P62166					4						Neuronal calcium sensor 1, NCS-1, Frequentin homolog, Frequentin-like protein, Frequentin-like ubiquitous protein	Golgi apparatus, Golgi stack membrane; Peripheral membrane protein. Note=Associated with Golgi stacks. Post-synaptic densities of dendrites, and in the pre-synaptic nerve terminal at neuromuscular junctions.		0
P62191					6					9	26S protease regulatory subunit 4, P26s4, Proteasome 26S subunit ATPase 1	Cytoplasm. Nucleus.		0
P62241					4						40S ribosomal protein S8	Entry not found!		0
P62249			5								40S ribosomal protein S16	Entry not found!		0
P62258	6	8	17	93	44				20	117	14-3-3 protein epsilon, 14-3-3E	Cytoplasm (By similarity). Melanosome. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV.		0
P62263	5									9	40S ribosomal protein S14	Entry not found!		0
P62269			15								40S ribosomal protein S18, Ke-3, Ke3	Cytoplasm.		0
P62277	21	21	42	15		16			31		40S ribosomal protein S13	Entry not found!		0
P62304	10		14								Small nuclear ribonucleoprotein E, snRNP-E, Sm protein E, Sm-E, SmE	Nucleus.		0
P62314	6	4		16							Small nuclear ribonucleoprotein Sm D1, snRNP core protein D1, Sm-D1, Sm-D autoantigen	Nucleus.		0
P62316	7	3									Small nuclear ribonucleoprotein Sm D2, snRNP core protein D2, Sm-D2	Nucleus.		0
P62424	31	21	47	16					49		60S ribosomal protein L7a, Surfeit locus protein 3, PLA-X polypeptide	Entry not found!		0

Total Protein Identified

P62491	2			3					21		Ras-related protein Rab-11A, Rab-11, YL8	Cell membrane; Peripheral membrane protein. Recycling endosome membrane; Peripheral membrane protein. Note=Translocates with RAB11FIP2 from the vesicles of the endocytic recycling compartment (ERC) to the plasma membrane.		0	
P62701	5			6							40S ribosomal protein S4, X isoform, Single copy abundant mRNA protein, SCR10	Entry not found!		0	
P62750				13	3						60S ribosomal protein L23a	Entry not found!		0	
P62807	322	398	901		34		60	659	101	336	Histone H2B type 1-C/E/F/G/I, H2B.a/g/h/k/l, H2B.1 A, H2B/a, H2B/g, H2B/h, H2B/k, H2B/l	Nucleus.		0	
P62820				9							Ras-related protein Rab-1A, YPT1-related protein	Golgi apparatus.		0	
P62826					9					7	GTP-binding nuclear protein Ran, GTPase Ran, Ras-like protein TC4, Androgen receptor-associated protein 24	Nucleus. Cytoplasm. Melanosome. Note=Becomes dispersed throughout the cytoplasm during mitosis. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.		0	
P62829				16	6					12	60S ribosomal protein L23, Ribosomal protein L17	Entry not found!		0	
P62841					13						40S ribosomal protein S15, RIG protein	Entry not found!		0	
P62847	7	11	14							16	40S ribosomal protein S24	Entry not found!		0	
P62851	7	4									40S ribosomal protein S25	Entry not found!		0	
P62854	30	23	31			8		56			40S ribosomal protein S26	Entry not found!		0	
P62888	9	10	16	7	8		6	9	8	6	60S ribosomal protein L30	Entry not found!		0	
P62899		2									60S ribosomal protein L31	Entry not found!		0	
P62906	13	4	12					7			60S ribosomal protein L10a, CSA-19, Protein NEDD6, Neural precursor cell expressed developmentally down-regulated protein 6, NEDD-6	Entry not found!		0	
P62917	5	3									60S ribosomal protein L8	Cytoplasm.		0	
P62942				8	7					7	FK506-binding protein 1A, Peptidyl-prolyl cis-trans isomerase, PPIase, Rotamase, 12 kDa FKBP, FKBP-12, Immunophilin FKBP12	Cytoplasm.		0	
P63104	6	9	41	78	50	16	24			85	93	14-3-3 protein zeta/delta, Protein kinase C inhibitor protein 1, KCIP-1	Cytoplasm. Melanosome. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV.		0
P63208					3							S-phase kinase-associated protein 1, Cyclin A/CDK2-associated protein p19, p19A, p19skp1, RNA polymerase II elongation factor-like protein, Organ of Corti protein 2, OCP-2, OCP-II, Transcription elongation factor B, SIII	Entry not found!		0
P63241				7	7		8					Eukaryotic translation initiation factor 5A-1, eIF-5A-1, eIF-5A1, Eukaryotic initiation factor 5A isoform 1, eIF-5A, eIF-4D, Rev-binding factor	Nucleus.		0
P63261				151							285	Actin, cytoplasmic 2, Gamma-actin	Cytoplasm, cytoskeleton.		0
P67809	8	7		15		11	3					Nuclease-sensitive element-binding protein 1, Y-box-binding protein 1, Y-box transcription factor, YB-1, CCAAT-binding transcription factor I subunit A, CBF-A, Enhancer factor I subunit A, EFI-A, DNA-binding protein B, DBPB	Cytoplasm. Nucleus. Note=Shuttles between nucleus and cytoplasm. Predominantly cytoplasmic in proliferating cells. Cytotoxic stress and DNA damage enhance translocation to the nucleus.		0
P67936					23	8	40	9	14	6		Tropomyosin alpha-4 chain, Tropomyosin-4, TM30p1	Entry not found!		0
P68032				14	10					13		Actin, alpha cardiac muscle 1, Alpha-cardiac actin	Cytoplasm, cytoskeleton.		0

Total Protein Identified

P68036					4						Ubiquitin-conjugating enzyme E2 L3, Ubiquitin-protein ligase L3, Ubiquitin carrier protein L3, UbcH7, E2-F1, L-UBC	Entry not found!		0
P68133									15		Actin, alpha skeletal muscle, Alpha-actin-1	Cytoplasm, cytoskeleton.		0
P68363					86		23		95		Tubulin alpha-1B chain, Tubulin alpha-ubiquitous chain, Alpha-tubulin ubiquitous, Tubulin K-alpha-1	Entry not found!		0
P68371	34			14	113				20	27	Tubulin beta-2C chain, Tubulin beta-2 chain	Entry not found!		0
P68431	96				7	58	4	258	11	37	Histone H3.1, H3/a, H3/b, H3/c, H3/d, H3/f, H3/h, H3/i, H3/j, H3/k, H3/l	Nucleus.		0
P78371				7	32					45	T-complex protein 1 subunit beta, TCP-1-beta, CCT-beta	Cytoplasm.		0
P78417	3				17		2			5	Glutathione transferase omega-1, GSTO 1-1	Cytoplasm.		0
P78527				22							DNA-dependent protein kinase catalytic subunit, DNA-PK catalytic subunit, DNA-PKcs, DNPk1, p460	Nucleus.		0
P80303										24	Nucleobindin-2 precursor, DNA-binding protein NEFA, Gastric cancer antigen Zg4	Membrane; Peripheral membrane protein. Cytoplasm. Secreted.		0
P80723							15	14		17	Brain acid soluble protein 1, BASP1 protein, Neuronal axonal membrane protein NAP-22, 22 kDa neuronal tissue-enriched acidic protein	Membrane; Lipid-anchor. Cell projection, growth cone. Note=Associated with the membranes of growth cones that form the tips of elongating axons.		0
P83731	7										60S ribosomal protein L24, Ribosomal protein L30	Entry not found!		0
P84077	7	8	33	10	10		13			7	ADP-ribosylation factor 1	Entry not found!		0
P84085									7		ADP-ribosylation factor 5	Golgi apparatus.		0
P84103			5		10						Splicing factor, arginine/serine-rich 3, Pre-mRNA-splicing factor SRP20	Nucleus.		0
P84243		25	86								Histone H3.3	Nucleus.		0
Q00059	4										Transcription factor A, mitochondrial precursor, mtTFA, Mitochondrial transcription factor 1, MtTF1, Transcription factor 6-like 2	Mitochondrion.		0
Q00610	2		23		2						Clathrin heavy chain 1, CLH-17	Cytoplasmic vesicle membrane; Cytoplasmic side. Membrane, coated pit; Cytoplasmic side. Melanosome. Note=Cytoplasmic face of coated pits and vesicles. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.		0
Q00688				4			4				FK506-binding protein 3, Peptidyl-prolyl cis-trans isomerase, PPIase, Rotamase, 25 kDa FKBP, FKBP-25, Rapamycin-selective 25 kDa immunophilin	Nucleus.		0
Q00765								5		6	Receptor expression-enhancing protein 5, Polyposis locus protein 1, TB2 protein	Membrane; Multi-pass membrane protein (Potential).		2
Q00839		3	15		3						Heterogeneous nuclear ribonucleoprotein U, hnRNP U, Scaffold attachment factor A, SAF-A, p120, pp120	Nucleus. Cell surface. Note=Component of ribonucleosomes. Also found associated with the cell surface.		0

Total Protein Identified

Q01105	36	25	11		2		7	29	8	Protein SET, Phosphatase 2A inhibitor I2PP2A, I-2PP2A, Template-activating factor I, TAF-I, HLA-DR-associated protein II, PHAPII, Inhibitor of granzyme A-activated DNase, IGAAD	Cytoplasm, cytosol. Endoplasmic reticulum. Nucleus, nucleoplasm. Note=In the cytoplasm, found both in the cytosol and associated with the endoplasmic reticulum. Following CTL attack, moves rapidly to the nucleus, where it is found in the nucleoplasm, avoiding the nucleolus. Similar translocation to the nucleus is also observed for lymphocyte-activated killer cells after the addition of calcium. The SET complex is associated with the endoplasmic reticulum.			0	
Q01130	3	4								Splicing factor, arginine/serine-rich 2, Splicing factor SC35, SC-35, Splicing component, 35 kDa, Protein PR264	Nucleus.			0	
Q01469					6					Fatty acid-binding protein, epidermal, E-FABP, Fatty acid-binding protein 5, Psoriasis-associated fatty acid-binding protein homolog, PA-FABP	Cytoplasm.			0	
Q01546					2					Keratin, type II cytoskeletal 2 oral, Cytokeratin-2P, K2P, CK 2P, Keratin-76	Entry not found!			0	
Q01995							23			Transgelin, Smooth muscle protein 22-alpha, SM22-alpha, WS3-10, 22 kDa actin-binding protein	Cytoplasm (Probable).			0	
Q02790								2		FK506-binding protein 4, Peptidyl-prolyl cis-trans isomerase, PPIase, Rotamase, HSP-binding immunophilin, HBI, FKBP52 protein, 52 kDa FK506-binding protein, FKBP59, p59 protein	Cytoplasm. Nucleus.			0	
Q02878	16	27	47	3				25		60S ribosomal protein L6, TAX-responsive enhancer element-binding protein 107, TAXREB107, Neoplasm-related protein C140	Entry not found!			0	
Q02952									5	A-kinase anchor protein 12, A-kinase anchor protein 250 kDa, AKAP 250, Gravin, Myasthenia gravis autoantigen	Cytoplasm, cell cortex (Probable). Cytoplasm, cytoskeleton (Probable). Note=May be part of the cortical cytoskeleton.			0	
Q03252									5	Lamin-B2	Nucleus inner membrane; Lipid anchor; Nucleoplasmic side.			0	
Q04637					5				6	Eukaryotic translation initiation factor 4 gamma 1, eIF-4-gamma 1, eIF-4G1, eIF-4G 1, p220	Entry not found!			0	
Q05519	13	16				16			26	Splicing factor arginine/serine-rich 11, Arginine-rich 54 kDa nuclear protein, p54	Nucleus. Note=Colocalizes with spliceosome components.			0	
Q05639	27	24			22	68			7	40	Elongation factor 1-alpha 2, EF-1-alpha-2, Elongation factor 1 A-2, eEF1A-2, Statin S1	Nucleus (By similarity).			0
Q05682							3				Caldesmon, CDM	Note=On thin filaments in smooth muscle and on stress fibers in fibroblasts (nonmuscle) (By similarity).			0
Q06323	25	17			91	55	61	43	71	120	Proteasome activator complex subunit 1, Proteasome activator 28 subunit alpha, PA28alpha, PA28a, Activator of multicatalytic protease subunit 1, 11S regulator complex subunit alpha, REG-alpha, Interferon gamma up-regulated I-5111 protein, IGUP I-5111	Entry not found!			0
Q06481						35				5	Amyloid-like protein 2 precursor, Amyloid protein homolog, APPH, CDEI box-binding protein, CDEBP	Cell membrane; Single-pass type I membrane protein (Potential). Nucleus (Potential).			1

Total Protein Identified

Q06830	15	9			53	14	67	24	60	45	Peroxiredoxin-1, Thioredoxin peroxidase 2, Thioredoxin-dependent peroxide reductase 2, Proliferation-associated gene protein, PAG, Natural killer cell-enhancing factor A, NKEF-A	Cytoplasm. Melanosome. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV.		0
Q07020	6	6	27	18	3			6	4		60S ribosomal protein L18	Cytoplasm.		0
Q07021	22	12		6		6		35		32	Complement component 1 Q subcomponent-binding protein, mitochondrial precursor, Glycoprotein gC1qBP, C1qBP, GC1q-R protein, Hyaluronan-binding protein 1, Mitochondrial matrix protein p32, p33	Mitochondrion matrix.		0
Q07812	5	19			3		3	26	22	10	Apoptosis regulator BAX	Isoform Alpha: Membrane; Single-pass membrane protein., Isoform Beta: Cytoplasm., Isoform Gamma: Cytoplasm., Isoform Delta: Cytoplasm (Potential).		1
Q07955	5	7									Splicing factor, arginine/serine-rich 1, pre-mRNA-splicing factor SF2, P33 subunit, Alternative-splicing factor 1, ASF-1	Cytoplasm. Nucleus speckle. Note=In nuclear speckles. Shuttles between the nucleus and the cytoplasm.		0
Q08211			6								ATP-dependent RNA helicase A, Nuclear DNA helicase II, NDH II, DEAH box protein 9	Cytoplasm. Nucleus, nucleolus. Note=Can shuttle between nucleus and cytoplasm.		0
Q08945	4										FACT complex subunit SSRP1, Facilitates chromatin transcription complex subunit SSRP1, FACT 80 kDa subunit, FACTp80, Chromatin-specific transcription elongation factor 80 kDa subunit, Structure-specific recognition protein 1, hSSRP1, Recombination signal sequence recognition protein 1, T160	Nucleus. Note=Colocalizes with RNA polymerase II on chromatin. Recruited to actively transcribed loci.		0
Q12874										2	Splicing factor 3A subunit 3, Spliceosome-associated protein 61, SAP 61, SF3a60	Nucleus speckle.		0
Q12905			7							6	Interleukin enhancer-binding factor 2, Nuclear factor of activated T-cells 45 kDa	Nucleus, nucleolus.		0
Q12906					8					8	Interleukin enhancer-binding factor 3, Nuclear factor of activated T-cells 90 kDa, NF-AT-90, Double-stranded RNA-binding protein 76, DRBP76, Translational control protein 80, TCP80, Nuclear factor associated with dsRNA, NFAR, M-phase phosphoprotein 4, MPP4	Nucleus, nucleolus.		0
Q13126				17			7			7	S-methyl-5'-thioadenosine phosphorylase, 5'-methylthioadenosine phosphorylase, MTA phosphorylase, MTAPase	Cytoplasm.		0
Q13162							5				Peroxiredoxin-4, Prx-IV, Thioredoxin peroxidase AO372, Thioredoxin-dependent peroxide reductase A0372, Antioxidant enzyme AOE372, AOE37-2	Cytoplasm.		0
Q13200					4						26S proteasome non-ATPase regulatory subunit 2, 26S proteasome regulatory subunit RPN1, 26S proteasome regulatory subunit S2, 26S proteasome subunit p97, Tumor necrosis factor type 1 receptor-associated protein 2, 55.11 protein	Entry not found!		0
Q13427	6	7									Peptidyl-prolyl cis-trans isomerase G, Peptidyl-prolyl isomerase G, PPIase G, Rotamase G, Cyclophilin G, Cik-associating RS-cyclophilin, CARS-cyclophilin, CARS-Cyp, SR-cyclophilin, SRcyp, SR-cyp, CASP10	Nucleus matrix. Nucleus speckle. Note=Colocalizes with RNA splicing factors at nuclear speckles.		0
Q13428	16	32	9			21		15			Treacle protein, Treacher Collins syndrome protein	Nucleus, nucleolus (Potential).		0
Q13509								8		10	Tubulin beta-3 chain, Tubulin beta-III, Tubulin beta-4	Entry not found!		0
Q13523	20	24	8								Serine/threonine-protein kinase PRP4 homolog, PRP4 pre-mRNA-processing factor 4 homolog, PRP4 kinase	Nucleus.		0
Q13561		4			61	15	27	6	61	35	Dynactin subunit 2, Dynactin complex 50 kDa subunit, 50 kDa dynein-associated polypeptide, p50 dynamitin, DCTN-50	Cytoplasm, cytoskeleton. Membrane; Peripheral membrane protein.		0

Total Protein Identified

Q13596			4	9					3	Sorting nexin-1	Endosome membrane; Peripheral membrane protein; Cytoplasmic side. Golgi apparatus, trans-Golgi network membrane; Peripheral membrane protein; Cytoplasmic side (Potential).		0	
Q13813			11		14		6		9	Spectrin alpha chain, brain, Spectrin, non-erythroid alpha chain, Alpha-II spectrin, Fodrin alpha chain	Cytoplasm, cytoskeleton. Cytoplasm, cell cortex.		0	
Q13838									16	Spliceosome RNA helicase BAT1, DEAD box protein UAP56, 56 kDa U2AF65-associated protein, ATP-dependent RNA helicase p47, HLA-B-associated transcript-1	Nucleus.		0	
Q14019				6						Coactosin-like protein	Cytoplasm, cytoskeleton (By similarity).		0	
Q14103		4			7				9	Heterogeneous nuclear ribonucleoprotein D0, hnRNP D0, AU-rich element RNA-binding protein 1	Nucleus. Note=Component of ribonucleosomes.		0	
Q14157						2				Ubiquitin-associated protein 2-like, Protein NICE-4	Entry not found!		0	
Q14195							2			Dihydropyrimidinase-related protein 3, DRP-3, Unc-33-like phosphoprotein, ULIP protein, Collapsin response mediator protein 4, CRMP-4	Cytoplasm (By similarity). Cell projection, growth cone (By similarity). Note=Colocalizes with synaptic vesicle protein 2 in the central region of the growth cone (By similarity).		0	
Q14204			17							Cytoplasmic dynein 1 heavy chain 1, Cytoplasmic dynein heavy chain 1, Dynein heavy chain, cytosolic	Cytoplasm.		0	
Q14247					4					Src substrate cortactin, Amplexin, Oncogene EMS1	Cytoplasm (By similarity). Cell projection, lamellipodium (By similarity). Cell projection, ruffle (By similarity). Note=Associated with membrane ruffles and lamellipodia (By similarity).		0	
Q14257				22					3	Reticulocalbin-2 precursor, Calcium-binding protein ERC-55, E6-binding protein, E6BP	Endoplasmic reticulum lumen.		0	
Q14315			3						2	Filamin-C, Gamma-filamin, Filamin-2, Protein FLNc, Actin-binding-like protein, ABP-L, ABP-280-like protein	Cytoplasm. Membrane; Peripheral membrane protein. Cytoplasm, cytoskeleton. Cytoplasm, myofibril, sarcomere, Z-disk. Note=A small amount localizes at membranes. In striated muscle cells, it predominantly localizes in myofibrillar Z-disks, while a minor fraction localizes with subsarcolemme.		0	
Q14498					2				10	RNA-binding protein 39, RNA-binding motif protein 39, RNA-binding region-containing protein 2, Hepatocellular carcinoma protein 1, Splicing factor HCC1	Nucleus speckle. Note=Concentrated in nuclear speckles. Colocalizes with the core spliceosomal snRNP proteins.		0	
Q14696			9	7						Mesoderm development candidate 2, Renal carcinoma antigen NY-REN-61	Entry not found!		0	
Q14764				58			2		22	65	Major vault protein, MVP, Lung resistance-related protein	Cytoplasm. Nucleus, nuclear pore complex. Note=5% found in the nuclear pore complex. Translocates from the nucleus to the cytoplasm upon EGF treatment.		0

Total Protein Identified

Q14974			14	13				4		Importin subunit beta-1, Karyopherin subunit beta-1, Nuclear factor P97, Importin 90	Cytoplasm. Nucleus envelope.		0
Q14993			25	9						Collagen alpha-1(XIX) chain precursor, Collagen alpha-1(Y) chain	Secreted, extracellular space, extracellular matrix (By similarity).		0
Q15056					3					Eukaryotic translation initiation factor 4H, eIF-4H, Williams-Beuren syndrome chromosomal region 1 protein	Cytoplasm, perinuclear region (By similarity).		0
Q15059		3								Bromodomain-containing protein 3, RING3-like protein	Nucleus (Potential).		0
Q15181	6	13					5	2	12	Inorganic pyrophosphatase, Pyrophosphate phosphohydrolase, PPase	Cytoplasm (By similarity).		0
Q15233				10	4			8	22	Non-POU domain-containing octamer-binding protein, NonO protein, 54 kDa nuclear RNA- and DNA-binding protein, p54(nrb), p54nrb, 55 kDa nuclear protein, NMT55, DNA-binding p52/p100 complex, 52 kDa subunit	Nucleus.		0
Q15287	7	3								RNA-binding protein with serine-rich domain 1, SR-related protein LDC2	Nucleus speckle. Cytoplasm. Note=Nucleocytoplasmic shuttling protein.		0
Q15363									19	Transmembrane emp24 domain-containing protein 2 precursor, Membrane protein p24A	Cytoplasmic vesicle membrane; Single-pass type I membrane protein. Cytoplasmic vesicle, COPI-coated vesicle membrane; Single-pass type I membrane protein. Golgi apparatus membrane; Single-pass type I membrane protein. Note=Golgi-derived coatamer-coated vesicles.		1
Q15365				9			23			Poly(rC)-binding protein 1, Alpha-CP1, hnRNP-E1, Nucleic acid-binding protein SUB2.3	Nucleus. Cytoplasm. Note=Loosely bound in the nucleus. May shuttle between the nucleus and the cytoplasm.		0
Q15366							10			Poly(rC)-binding protein 2, Alpha-CP2, hnRNP-E2	Nucleus. Cytoplasm. Note=Loosely bound in the nucleus. May shuttle between the nucleus and the cytoplasm.		0
Q15417				14		7		8	14	Calponin-3, Calponin, acidic isoform	Entry not found!		0
Q15459									40	Splicing factor 3 subunit 1, Spliceosome-associated protein 114, SAP 114, SF3a120	Nucleus (By similarity).		0
Q15582						12		7		Transforming growth factor-beta-induced protein ig-h3 precursor, Beta ig-h3, Kerato-epithelin, RGD-containing collagen-associated protein, RGD-CAP	Secreted, extracellular space, extracellular matrix. Note=May be associated both with microfibrils and with the cell surface.		0
Q15631				7						Translin	Cytoplasm. Nucleus.		0
Q15637	2									Splicing factor 1, Zinc finger protein 162, Transcription factor ZFM1, Zinc finger gene in MEN1 locus, Mammalian branch point-binding protein mBBP, BBP	Nucleus.		0
Q15907					6					Ras-related protein Rab-11B, GTP-binding protein YPT3	Cell membrane; Lipid-anchor; Cytoplasmic side (Potential).		0
Q16555				2						Dihydropyrimidinase-related protein 2, DRP-2, Collapsin response mediator protein 2, CRMP-2, N2A3	Cytoplasm (By similarity).		0
Q16629		7								Splicing factor, arginine/serine-rich 7, Splicing factor 9G8	Nucleus.		0
Q16658			4	5						Fascin, Singed-like protein, 55 kDa actin-bundling protein, p55	Entry not found!		0
Q16698					3					2,4-dienoyl-CoA reductase, mitochondrial precursor, 2,4-dienoyl-CoA reductase [NADPH], 4-enoyl-CoA reductase [NADPH]	Mitochondrion.		0

Total Protein Identified

Q16881	16	5	12			33	8			3	Thioredoxin reductase 1, cytoplasmic, TR, Thioredoxin reductase TR1, KM-102-derived reductase-like factor, Gene associated with retinoid-IFN-induced mortality 12 protein, GRIM-12	Cytoplasm (By similarity)., Isoform 4: Cytoplasm. Nucleus., Isoform 5: Cytoplasm.		0	
Q16891										15	Mitochondrial inner membrane protein, Mitofilin, p87/89, Cell proliferation-inducing gene 4 protein	Mitochondrion inner membrane.		1	
Q4VC31	2										Coiled-coil domain-containing protein 58	Entry not found!		0	
Q6NZI2						7				9	Polymerase I and transcript release factor	Cell membrane, caveola. Cell membrane. Microsome. Cytoplasm, cytosol. Mitochondrion. Nucleus. Note=Found at the surface of the caveolae. Also found in the plasma membrane, microsomal and cytosolic fractions and at a low level in the mitochondrial and nuclear fractions. Translocates to the cytoplasm from the caveolae upon insulin stimulation.		0	
Q71U36		6									Tubulin alpha-1A chain, Tubulin B-alpha-1, Tubulin alpha-3 chain, Alpha-tubulin 3	Entry not found!		0	
Q71UI9	15	41	88					67		71	Histone H2AV, H2A.F/Z	Nucleus (By similarity).		0	
Q71UM5						5					40S ribosomal protein S27-like protein	Entry not found!		0	
Q7Z6E9	4	10									Retinoblastoma-binding protein 6, p53-associated cellular protein of testis, Proliferation potential-related protein, Protein P2P-R, Retinoblastoma-binding Q protein 1, Protein RBQ-1	Nucleus, nucleolus. Note=Colocalizes with mitotic chromosomes.		0	
Q7Z6Z7		3									E3 ubiquitin-protein ligase HUWE1, HECT, UBA and WWE domain-containing protein 1, URE-B1, Mcl-1 ubiquitin ligase E3, Mule, ARF-binding protein 1, ARF-BP1	Nucleus (By similarity). Note=Predominantly cytosolic or perinuclear in some colorectal carcinoma cells.		0	
Q86UE4	4										Protein LYRIC, Lysine-rich CEACAM1 co-isolated protein, 3D3/LYRIC, Metastasis adhesion protein, Metadherin, Astrocyte elevated gene-1 protein, AEG-1	Endoplasmic reticulum membrane; Single-pass type II membrane protein (By similarity). Nucleus membrane; Single-pass type II membrane protein (By similarity). Cell junction, tight junction; Single-pass type II membrane protein (By similarity). Nucleus, nucleolus (By similarity). Note=In epithelial cells, recruited to tight junctions (TJ) during the maturation of the TJ complexes. A nucleolar staining may be due to nuclear targeting of an isoform lacking the transmembrane domain (By similarity).		1	
Q86V81	3	4									THO complex subunit 4, Tho4, Ally of AML-1 and LEF-1, Transcriptional coactivator Aly/REF, bZIP-enhancing factor BEF	Nucleus. Cytoplasm. Note=Travels to the cytoplasm as part of the exon junction complex (EJC) bound to mRNA.		0	
Q8IUE6			22								Histone H2A type 2-B	Nucleus.		0	
Q8IYB3	60	84	55			3	51		64	10	51	Serine/arginine repetitive matrix protein 1, Ser/Arg-related nuclear matrix protein, SR-related nuclear matrix protein of 160 kDa, SRm160	Nucleus matrix. Nucleus speckle.		0

Total Protein Identified

Q8N8S7							5			Protein enabled homolog	Cytoplasm. Cytoplasm, cytoskeleton (By similarity). Cell projection, lamellipodium (By similarity). Cell projection, filopodium (By similarity). Cell junction, synapse (By similarity). Note=Targeted to the leading edge of lamellipodia and filopodia by MRL family members. Colocalizes at filopodial tips with a number of other proteins including vinculin and zyxlin. Colocalizes with N-WASP at the leading edge. Colocalizes with GPHN and PFN at synapses (By similarity).		0
Q8NBS9	5	4	71	21		31	15	16	39	Thioredoxin domain-containing protein 5 precursor, Thioredoxin-like protein p46, Endoplasmic reticulum protein ERp46	Endoplasmic reticulum lumen (By similarity).		0
Q8NBX0			37			5		59	42	Probable saccharopine dehydrogenase	Entry not found!		0
Q8TDN6	11	5								Brix domain-containing protein 2, Ribosome biogenesis protein Brix	Nucleus, nucleolus.		0
Q8TEA8	6								7	D-tyrosyl-tRNA(Tyr) deacylase 1, Histidyl-tRNA synthetase-related	Cytoplasm (Potential).		0
Q8WUM4							4			Programmed cell death 6-interacting protein, PDCD6-interacting protein, ALG-2-interacting protein 1, Hp95	Cytoplasm, cytosol. Melanosome. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV.		0
Q8WWI5	5									Choline transporter-like protein 1, Solute carrier family 44 member 1, CD92 antigen, CDw92	Membrane; Multi-pass membrane protein (By similarity).		10
Q8WXA9		3								Splicing factor, arginine/serine-rich 12, Serine-arginine-rich-splicing regulatory protein 86, SRp86, Splicing regulatory protein 508, SRp508	Nucleus.		0
Q8WZ42				8		7				Titin, Connectin, Rhabdomyosarcoma antigen MU-RMS-40.14	Cytoplasm (Probable). Nucleus.		0
Q92520					3	3			25	Protein FAM3C precursor	Secreted (Potential).		0
Q92522	5									Histone H1x	Nucleus.		0
Q92688									13	Acidic leucine-rich nuclear phosphoprotein 32 family member B, Acidic protein rich in leucines, PHAPI2, Silver-stainable protein SSP29	Nucleus. Note=Accumulates in the nuclei at the S phase (By similarity).		0
Q93079						503				Histone H2B type 1-H, H2B.j, H2B/j	Nucleus.		0
Q969H8		5	6			10	11			UPF0556 protein C19orf10 precursor, Stromal cell-derived growth factor SF20, Interleukin-25, IL-25	Secreted (By similarity).		0
Q96AG4			3		6				24	Leucine-rich repeat-containing protein 59	Microsome membrane; Single-pass type II membrane protein (By similarity).		1
Q96C90							6			Protein phosphatase 1 regulatory subunit 14B, Phospholipase C beta 3 neighbouring gene protein	Cytoplasm (Probable).		0
Q96FQ6								17		Protein S100-A16, S100 calcium-binding protein A16, Protein S100F, Aging-associated gene 13 protein	Entry not found!		0
Q96HR9	5	5								Receptor expression-enhancing protein 6, Polyposis locus protein 1-like 1	Membrane; Multi-pass membrane protein (By similarity).		2
Q96KP4				5		7				Cytosolic non-specific dipeptidase, CNDP dipeptidase 2, Glutamate carboxypeptidase-like protein 1, Peptidase A	Entry not found!		0
Q96PK2									3	Microtubule-actin cross-linking factor 1, isoform 4	Cytoplasm, cytoskeleton (By similarity).		0
Q96QV6	9					13				Histone H2A type 1-A, H2A/r	Nucleus.		0

Total Protein Identified

Q96TA1					5						Niban-like protein 1, Protein FAM129B, Meg-3	Entry not found!		0	
Q99417					7						C-Myc-binding protein, Associate of Myc 1, AMY-1	Cytoplasm. Nucleus. Mitochondrion. Note=Translocates into the nucleus in the S phase of the cell cycle upon an increase of c-Myc expression. Found in the mitochondria when associated with AKAP1.		0	
Q99439							3				Calponin-2, Calponin H2, smooth muscle, Neutral calponin	Entry not found!		0	
Q99471							12				Prefoldin subunit 5, C-myc-binding protein Mm-1, Myc modulator 1	Entry not found!		0	
Q99497		4		13	4						Protein DJ-1, Oncogene DJ1, Parkinson disease protein 7	Nucleus. Cytoplasm. Note=Associated with mitochondria in some cells, particularly after oxidative stress. Detected in tau inclusions in brains from neurodegenerative disease patients.		0	
Q99536			23	111	11		16		52	94	Synaptic vesicle membrane VAT-1 homolog	Entry not found!		0	
Q99714										2	3-hydroxyacyl-CoA dehydrogenase type-2, 3-hydroxyacyl-CoA dehydrogenase type II, Type II HADH, 3-hydroxy-2-methylbutyryl-CoA dehydrogenase, Endoplasmic reticulum-associated amyloid beta-peptide-binding protein, Short-chain type dehydrogenase/reductase XH98G2	Entry not found!		0	
Q99733				9	3					17	Nucleosome assembly protein 1-like 4, Nucleosome assembly protein 2, NAP2	Nucleus.		0	
Q99757	7						3				Thioredoxin, mitochondrial precursor, Mt-Trx, MTRX, Thioredoxin-2	Mitochondrion.		0	
Q99832					8						T-complex protein 1 subunit eta, TCP-1-eta, CCT-eta, HIV-1 Nef-interacting protein	Cytoplasm (By similarity).		0	
Q9BS26	10	26		19		4				6	52	Thioredoxin domain-containing protein 4 precursor, Endoplasmic reticulum resident protein ERp44	Endoplasmic reticulum lumen.		0
Q9BUL8	13	4			8		4					Programmed cell death protein 10, TF-1 cell apoptosis-related protein 15, Cerebral cavernous malformations 3 protein	Entry not found!		0
Q9BWD1			3									Acetyl-CoA acetyltransferase, cytosolic, Cytosolic acetoacetyl-CoA thiolase, Acetyl-CoA transferase-like protein	Cytoplasm.		0
Q9H0U4					4							Ras-related protein Rab-1B	Cell membrane; Lipid-anchor; Cytoplasmic side (Potential).		0
Q9H5Y7		9										SLIT and NTRK-like protein 6 precursor	Membrane; Single-pass type I membrane protein (Potential).		1
Q9H7B2	2											Brix domain-containing protein 1	Nucleus, nucleolus.		0
Q9HB71			5								11	Calcyclin-binding protein, CacyBP, hCacyBP, Siah-interacting protein, S100A6-binding protein	Nucleus. Cytoplasm. Note=Cytoplasmic at low calcium concentrations. In neuroblastoma cells, after a retinoic acid (RA) induction and calcium increase, it localizes in both the nucleus and cytoplasm. The nuclear fraction may be phosphorylated.		0

Total Protein Identified

Q9NQC3			8		6	8	21	6	154	Reticulon-4, Neurite outgrowth inhibitor, Nogo protein, Foccen, Neuroendocrine-specific protein, NSP, Neuroendocrine-specific protein C homolog, RTN-x, Reticulon-5	Endoplasmic reticulum membrane; Multi-pass membrane protein. Note=Anchored to the membrane of the endoplasmic reticulum through 2 putative transmembrane domains.		2	
Q9NS69									18	Mitochondrial import receptor subunit TOM22 homolog, Translocase of outer membrane 22 kDa subunit homolog, hTom22, 1C9-2	Mitochondrion outer membrane; Single-pass membrane protein (By similarity).		1	
Q9NTK5			4							Obg-like ATPase 1, GTP-binding protein 9	Entry not found!		0	
Q9NVD7				4	4		3			Alpha-parvin, Calponin-like integrin-linked kinase-binding protein, CH-ILKBP, Matrix-remodeling-associated protein 2, Actopaxin	Cell junction, focal adhesion; Cytoplasmic side. Note=Constituent of focal adhesions.		0	
Q9NX58	43	25								Cell growth-regulating nucleolar protein	Nucleus, nucleolus.		0	
Q9NXG2	4									THUMP domain-containing protein 1	Entry not found!		0	
Q9NYI0				5						PH and SEC7 domain-containing protein 3, Pleckstrin homology and SEC7 domain-containing protein 3, Exchange factor for ADP-ribosylation factor guanine nucleotide factor 6, Hepatocellular carcinoma-associated antigen 67	Cell junction, synapse, postsynaptic cell membrane, postsynaptic density (By similarity).		0	
Q9NYL9							7		7	Tropomodulin-3, Ubiquitous tropomodulin, U-Tmod	Entry not found!		0	
Q9POL0					10					Vesicle-associated membrane protein-associated protein A, VAMP-associated protein A, VAMP-A, VAP-A, 33 kDa Vamp associated protein, VAP-33	Cell membrane; Single-pass type IV membrane protein. Intracytoplasmic membrane; Single-pass type IV membrane protein. Note=Present in the plasma membrane and in intracellular vesicles, together with SNARE proteins. May also associate with the cytoskeleton. Colocalizes with OCLN at the tight junction in polarized epithelial cells.		1	
Q9P2E9	3	5		5	16	14				Ribosome-binding protein 1, Ribosome receptor protein, 180 kDa ribosome receptor homolog, ES/130-related protein	Endoplasmic reticulum membrane; Single-pass type III membrane protein (By similarity).		1	
Q9UBE0									7	SUMO-activating enzyme subunit 1, Ubiquitin-like 1-activating enzyme E1A	Nucleus.		0	
Q9UBP6			17	13		11				tRNA (guanine-N(7)-)-methyltransferase, tRNA(m7G46)-methyltransferase, Methyltransferase-like protein 1	Entry not found!		0	
Q9UBQ5				2						Eukaryotic translation initiation factor 3 subunit K, Eukaryotic translation initiation factor 3 subunit 12, eIF-3 p25, eIF-3 p28, eIF3k, Muscle-specific gene M9 protein, PLAC-24	Nucleus. Cytoplasm.		0	
Q9UHV9						32				Prefoldin subunit 2	Entry not found!		0	
Q9UIJ7						5	19			GTP:AMP phosphotransferase mitochondrial, Adenylate kinase 3, AK3, Adenylate kinase 3 alpha-like 1	Mitochondrion matrix (By similarity).		0	
Q9UJZ1									41	Stomatin-like protein 2, SLP-2, EPB72-like 2	Membrane; Peripheral membrane protein. Cytoplasm. Cytoplasm, cytoskeleton. Note=Associated with the cytoskeleton.		0	
Q9UL46	21	28	6		54	40	10	24	10	72	Proteasome activator complex subunit 2, Proteasome activator 28 subunit beta, PA28beta, PA28b, Activator of multicatalytic protease subunit 2, 11S regulator complex subunit beta, REG-beta	Entry not found!		0

Total Protein Identified

Q9UMX5			22			3	11			22	Neudesin precursor, Neuron-derived neurotrophic factor, Secreted protein of unknown function, SPUF protein	Secreted, extracellular space (By similarity).		0
Q9UNZ2						3					NSFL1 cofactor p47, p97 cofactor p47	Nucleus (By similarity). Golgi apparatus, Golgi stack (By similarity). Note=Predominantly nuclear in interphase cells. Bound to the axial elements of sex chromosomes in pachytene spermatocytes. A small proportion of the protein is cytoplasmic, associated with Golgi stacks (By similarity).		0
Q9UPQ9			2								Trinucleotide repeat-containing gene 6B protein	Entry not found!		0
Q9UPT8		2									Zinc finger CCCH domain-containing protein 4	Entry not found!		0
Q9UQ80						3					Proliferation-associated protein 2G4, Cell cycle protein p38-2G4 homolog, hG4-1, ErbB3-binding protein 1	Cytoplasm. Nucleus, nucleolus. Note=Tranlocates to the nucleus upon treatment with HRG.		0
Q9Y224	4		6	27	36		14		24	73	UPF0568 protein C14orf166	Nucleus. Cytoplasm, perinuclear region. Note=May localize at the centrosome during mitosis.		0
Q9Y2B0	22	22	48	14	26	63	56	20		13	Protein canopy homolog 2 precursor, MIR-interacting saposin-like protein, Transmembrane protein 4, Putative secreted protein ZSIG9	Endoplasmic reticulum (Potential).		0
Q9Y2T3	5										Guanine deaminase, Guanase, Guanine aminase, Guanine aminohydrolase, GAH, p51-nedasin	Entry not found!		0
Q9Y383					5					25	Putative RNA-binding protein Luc7-like 2	Entry not found!		0
Q9Y3R0								2			Glutamate receptor-interacting protein 1, GRIP1 protein	Cytoplasmic vesicle. Endoplasmic reticulum. Cell junction, synapse, postsynaptic cell membrane (By similarity). Note=Cytoplasmic and membrane-associated with vesicles, peri-Golgi complexes and endoplasmic reticulum. Enriched in post-synaptic plasma membrane and post-synaptic densities (By similarity).		0
Q9Y490					11	4	13	6	3	18	Talin-1	Cell projection, ruffle membrane (By similarity). Note=Colocalizes with LAYN at the membrane ruffles (By similarity).		0
Q9Y4F1				2							FERM, RhoGEF and pleckstrin domain-containing protein 1, Chondrocyte-derived ezrin-like protein	Entry not found!		0
Q9Y5X3				9	3						Sorting nexin-5	Entry not found!		0
Q9Y625			8	14		21		4	5	85	Glypican-6 precursor	Cell membrane; Lipid-anchor, GPI-anchor; Extracellular side (By similarity)., Secreted glypican-6; Secreted, extracellular space (By similarity).		0
Q9Y696				7			3		3	8	Chloride intracellular channel protein 4, Intracellular chloride ion channel protein p64H1	Cytoplasmic vesicle. Note=Present in an intracellular vesicular compartment that likely represent trans-Golgi network vesicles. Present in both, soluble and membrane fractions.		0