

Supplement Table 1. Identified secreted proteins from Alexander, HepG2, SK-Hep-1 and HCC-S102 cell lines

Cell lines	Bands	Accession numbers	Names	Score	Peptide matches	Functions
Alexander	1	TTBK1_HUMAN	Tau-tubulin kinase 1	46	1	Metabolism
		A2MG_HUMAN	Alpha-2-macroglobulin	71	7	Protein synthesis and degradation
		K1C10_HUMAN	Keratin, type I cytoskeletal 10	39	2	Cytoskeleton/mobility
	2	K1C10_HUMAN	Keratin, type I cytoskeletal 10	80	5	Cytoskeleton/mobility
		K2C1_HUMAN	Keratin, type II cytoskeletal 1	76	8	Cytoskeleton/mobility
		ALBU_HUMAN	Human serum albumin	70	3	Transport/binding proteins
	3	K2C1_HUMAN	Keratin, type II cytoskeletal 1	95	6	Cytoskeleton/mobility
		K1C10_HUMAN	Keratin, type I cytoskeletal 10	89	5	Cytoskeleton/mobility
		K1C9_HUMAN	Keratin, type I cytoskeletal 9	39	3	Cytoskeleton/mobility
		RAE1_HUMAN	Rab proteins geranylgeranyltransferase component A 1	35	1	Transport/binding proteins
		ALBU_HUMAN	Human serum albumin	37	2	Transport/binding proteins
	4	ALBU_HUMAN	Human serum albumin	37	2	Transport/binding proteins
		FINC_HUMAN	Fibronectin	36	2	Cytoskeleton/mobility
		CNGB3_HUMAN	Cyclic nucleotide-gated cation channel beta-3	36	1	Ion channels
		CCL28_HUMAN	C-C motif chemokine 28	35	1	Immunological response
	5	K2C1_HUMAN	Keratin, type II cytoskeletal 1	76	4	Cytoskeleton/mobility
		K2C1B_HUMAN	Keratin, type II cytoskeletal 1b	45	2	Cytoskeleton/mobility
		LOXH1_HUMAN	Lipoxygenase homology domain-containing protein 1	35	1	Transport/binding proteins
		ALBU_HUMAN	Human serum albumin	38	2	Transport/binding proteins
	6	ALBU_HUMAN	Human serum albumin	38	3	Transport/binding proteins
		A2MG_HUMAN	Alpha-2-macroglobulin	56	9	Protein synthesis and degradation
		K2C1_HUMAN	Keratin, type II cytoskeletal 1	91	1	Cytoskeleton/mobility
		LG3BP_HUMAN	Galectin-3-binding protein	55	4	Transport/binding proteins
	7	MYOZ2_HUMAN	Myozenin-2	39	1	Transport/binding proteins
		BGAT_HUMAN	Histo-blood group ABO system transferase	38	1	Metabolism
		ALBU_HUMAN	Human serum albumin	36	2	Transport/binding proteins
		A2MG_HUMAN	Alpha-2-macroglobulin	37	1	Protein synthesis and degradation
	8	CERU_HUMAN	Ceruloplasmin	40	2	Transport/binding proteins
		SNX32_HUMAN	Sorting nexin-32	37	1	Transport/binding proteins
		K2C1_HUMAN	Keratin, type II cytoskeletal 1	44	2	Cytoskeleton/mobility
	9	CNTN1_HUMAN	Contactin-1	56	3	Signal transduction
		NRCAM_HUMAN	Neuronal cell adhesion molecule	55	4	Transport/binding proteins
		ALBU_HUMAN	Human serum albumin	37	2	Transport/binding proteins
	10	K2C1_HUMAN	Keratin, type II cytoskeletal 1	182	8	Cytoskeleton/mobility

		K1C10_HUMAN	Keratin, type I cytoskeletal 10	100	5	Cytoskeleton/mobility
		LG3BP_HUMAN	Galectin-3-binding protein	42	4	Transport/binding proteins
		CERU_HUMAN	Ceruloplasmin	38	1	Transport/binding proteins
		K1C9_HUMAN	Keratin, type I cytoskeletal 9	61	3	Cytoskeleton/mobility
11		Q2A130_HUMAN	Autogenous vein graft remodeling associated protein 5	39	1	DNA replication/gene regulation
		LG3BP_HUMAN	Galectin-3-binding protein	41	2	Transport/binding proteins
		ANKAR_HUMAN	Ankyrin and armadillo repeat-containing protein	37	2	Transport/binding proteins
12		K1C9_HUMAN	Keratin, type I cytoskeletal 9	67	4	Cytoskeleton/mobility
		LG3BP_HUMAN	Galectin-3-binding protein	120	8	Transport/binding proteins
13		Q13876_HUMAN	Bone-derived growth factor	43	2	Metabolism
		K2C1_HUMAN	Keratin, type II cytoskeletal 1	38	2	Cytoskeleton/mobility
		LG3BP_HUMAN	Galectin-3-binding protein	44	3	Transport/binding proteins
		gi 119628058	Mitochondrial trans-2-enoyl-CoA reductase, isoform CRA_a	37	1	Metabolism
		LOXH1_HUMAN	Lipoxygenase homology domain-containing protein 1	35	2	Transport/binding proteins
14		TRFE_HUMAN	Serotransferrin	70	5	Transport/binding proteins
		K2C1_HUMAN	Keratin, type II cytoskeletal 1	40	4	Cytoskeleton/mobility
		RRAGB_HUMAN	Ras-related GTP-binding protein B	35	1	Signal transduction
		CSN1_HUMAN	COP9 signalosome complex subunit 1	35	1	Cell cycle
15		K2C1_HUMAN	Keratin, type II cytoskeletal 1	47	3	Cytoskeleton/mobility
		K2C1B_HUMAN	Keratin, type II cytoskeletal 1b	43	2	Cytoskeleton/mobility
		ERF1_HUMAN	Eukaryotic peptide chain release factor subunit 1	36	1	Protein synthesis and degradation
		TRFE_HUMAN	Serotransferrin	45	3	Transport/binding proteins
		RGS14_HUMAN	Regulator of G-protein signaling 14	39	1	Signal transduction
16		K2C1_HUMAN	Keratin, type II cytoskeletal 1	39	3	Cytoskeleton/mobility
		SNX32_HUMAN	Sorting nexin-32	37	1	Transport/binding proteins
		gi 119583243	hCG1784572	39	1	Unknown
		MA2C1_HUMAN	Alpha-mannosidase 2C1	35	1	Metabolism
17		K2C1_HUMAN	Keratin, type II cytoskeletal 1	46	3	Cytoskeleton/mobility
		Z780B_HUMAN	Zinc finger protein 780B	39	1	DNA replication/gene regulation
		IN80D_HUMAN	INO80 complex subunit D	42	1	DNA replication/gene regulation
		CNGB3_HUMAN	Cyclic nucleotide-gated cation channel beta-3	36	1	Ion channels
		B3GT6_HUMAN	Beta-1,3-galactosyltransferase 6	38	1	Metabolism
18		A1AT_HUMAN	Alpha-1-antitrypsin	63	2	Protein synthesis and degradation
		ANGT_HUMAN	Angiotensinogen	112	5	Signal Transduction
		BGH3_HUMAN	Transforming growth factor-beta-induced protein ig-h3	37	2	Transport/binding proteins
		K2C1_HUMAN	Keratin, type II cytoskeletal 1	36	2	Cytoskeleton/mobility
19		AMBP_HUMAN	Protein AMBP	46	1	Protein synthesis and degradation
		A1AT_HUMAN	Alpha-1-antitrypsin	90	4	Protein synthesis and degradation

20	AMBP_HUMAN	Protein AMBP	46	1	Protein synthesis and degradation
	A1AT_HUMAN	Alpha-1-antitrypsin	169	8	Protein synthesis and degradation
	HERC6_HUMAN	Probable E3 ubiquitin-protein ligase HERC6	42	1	Protein synthesis and degradation
	gi 119609527	hCG1641439	38	1	Unknown
21	A1AT_HUMAN	Alpha-1-antitrypsin	141	8	Protein synthesis and degradation
	NSUN4_HUMAN	Putative methyltransferase NSUN4	48	1	Methyltransferase activity
	AMBP_HUMAN	Protein AMBP	46	1	Cell adhesion
	ANGT_HUMAN	Angiotensinogen	54	4	Signal Transduction
	IDH3A_HUMAN	Isocitrate dehydrogenase [NAD] subunit alpha, mitochondrial	39	1	Metabolism
22	A1AT_HUMAN	Alpha-1-antitrypsin	231	8	Protein synthesis and degradation
	IDH3A_HUMAN	Isocitrate dehydrogenase [NAD] subunit alpha, mitochondrial	39	1	Metabolism
23	AMBP_HUMAN	Protein AMBP	58	3	Protein synthesis and degradation
	FIBB_HUMAN	Fibrinogen beta chain	107	3	Protein synthesis and degradation
	ENOA_HUMAN	Alpha-enolase	81	4	Metabolism
24	AMBP_HUMAN	Protein AMBP	46	1	Protein synthesis and degradation
	CBPN_HUMAN	Carboxypeptidase N catalytic chain	41	1	Protein synthesis and degradation
	K1C9_HUMAN	Keratin, type I cytoskeletal 9	38	1	Cytoskeleton/mobility
	DAG1_HUMAN	Dystroglycan	36	1	Cytoskeleton/mobility
25	K1C9_HUMAN	Keratin, type I cytoskeletal 9	45	2	Cytoskeleton/mobility
	K2C1_HUMAN	Keratin, type II cytoskeletal 1	49	5	Cytoskeleton/mobility
	AATC_HUMAN	Aspartate aminotransferase, cytoplasmic	45	3	Metabolism
	gi 28336	Mutant beta-actin	43	4	Cytoskeleton/mobility
	AMBP_HUMAN	Protein AMBP	54	2	Protein synthesis and degradation
26	APOE_HUMAN	Apolipoprotein E	39	1	Transport/binding proteins
	K1C18_HUMAN	Keratin, type I cytoskeletal 18	45	2	Cytoskeleton/mobility
	RIF1_HUMAN	Telomere-associated protein RIF1	35	2	Cell cycle
	K2C1_HUMAN	Keratin, type II cytoskeletal 1	65	5	Cytoskeleton/mobility
	DYH11_HUMAN	Dynein heavy chain 11, axonemal	39	3	Cytoskeleton/mobility
27	K2C1_HUMAN	Keratin, type II cytoskeletal 1	237	10	Cytoskeleton/mobility
	K1C9_HUMAN	Keratin, type I cytoskeletal 9	122	8	Cytoskeleton/mobility
	APOE_HUMAN	Apolipoprotein E	46	2	Transport/binding proteins
28	AMBP_HUMAN	Protein AMBP	46	1	Protein synthesis and degradation
	K1C9_HUMAN	Keratin, type I cytoskeletal 9	36	1	Cytoskeleton/mobility
	K2C1_HUMAN	Keratin, type II cytoskeletal 1	68	5	Cytoskeleton/mobility
	APOE_HUMAN	Apolipoprotein E	38	2	Transport/binding proteins
29	AMBP_HUMAN	Protein AMBP	52	1	Protein synthesis and degradation
	K2C1_HUMAN	Keratin, type II cytoskeletal 1	165	8	Cytoskeleton/mobility
	K1C9_HUMAN	Keratin type, I cytoskeletal 9	61	4	Cytoskeleton/mobility

		K1C10_HUMAN	Keratin type, I cytoskeletal 10	81	8	Cytoskeleton/mobility
		APOE_HUMAN	Apolipoprotein E	144	4	Transport/binding proteins
30		AMBP_HUMAN	Protein AMBP	108	3	Protein synthesis and degradation
		K1C18_HUMAN	Keratin, type I cytoskeletal 18	40	4	Cytoskeleton/mobility
		G3P_HUMAN	Glyceraldehyde-3-phosphate dehydrogenase	39	1	Metabolism
31		AMBP_HUMAN	Protein AMBP	78	3	Protein synthesis and degradation
		ANXA1_HUMAN	Annexin A1	48	1	Signal transduction
		CLUS_HUMAN	Clusterin	58	3	Transport/binding proteins
		1433E_HUMAN	14-3-3 protein epsilon	39	1	Signal transduction
		K2C8_HUMAN	Keratin, type II cytoskeletal 8	48	3	Cytoskeleton/mobility
32		K1C10_HUMAN	Keratin, type I cytoskeletal 10	70	8	Cytoskeleton/mobility
		AMBP_HUMAN	Protein AMBP	78	3	Protein synthesis and degradation
		K2C8_HUMAN	Keratin, type II cytoskeletal 8	39	1	Cytoskeleton/mobility
		P12L1_HUMAN	POM121-like protein 1	40	1	Unknown
33		K1C10_HUMAN	Keratin, type I cytoskeletal 10	64	4	Cytoskeleton/mobility
		K2C1_HUMAN	Keratin, type II cytoskeletal 1	50	5	Cytoskeleton/mobility
		gi 119581427	hCG1744108	47	1	Unknown
34		K1C10_HUMAN	Keratin, type I cytoskeletal 10	172	10	Cytoskeleton/mobility
		TPIS_HUMAN	Triosephosphate isomerase	92	3	Metabolism
		K1C9_HUMAN	Keratin, type I cytoskeletal 9	120	10	Cytoskeleton/mobility
		BMS1_HUMAN	Ribosome biogenesis protein BMS1 homolog	35	1	Protein synthesis and degradation
		Q59F02_HUMAN	Phosphomannomutase 2 variant	39	1	Metabolism
		K22E_HUMAN	Keratin, type II cytoskeletal 2 epidermal	159	6	Cytoskeleton/mobility
		K2C8_HUMAN	Keratin, type II cytoskeletal 8	45	2	Cytoskeleton/mobility
		AMBP_HUMAN	Protein AMBP	36	1	Protein synthesis and degradation
35		APOA1_HUMAN	Apolipoprotein A-I	57	5	Transport/binding proteins
		K1C9_HUMAN	Keratin, type I cytoskeletal 9	61	4	Cytoskeleton/mobility
		APOE_HUMAN	Apolipoprotein E	57	2	Transport/binding proteins
		PSA2_HUMAN	Proteasome subunit alpha type-2	40	1	Protein synthesis and degradation
36		GSTP1_HUMAN	Glutathione S-transferase P	95	3	Metabolism
		gi 119615628	hCG17324, isoform CRA_b	36	1	Unknown
		gi 27368977	Immunoglobulin kappa light chain variable region	37	1	Immunological response
		gi 119568507	Chromosome 6 open reading frame 173, isoform CRA_c	37	1	DNA replication/gene regulation
		gi 129561187	Alpha-helix coiled-coil rod homologue	35	1	DNA replication/gene regulation
37		PEX14_HUMAN	Peroxisomal membrane protein PEX14	41	1	Transport/binding proteins
38		K2C1_HUMAN	Keratin, type II cytoskeletal 1	89	6	Cytoskeleton/mobility
		K2C1B_HUMAN	Keratin, type II cytoskeletal 1b	40	2	Cytoskeleton/mobility
		A2A391_HUMAN	Obscurin, cytoskeletal calmodulin and titin-interacting	35	2	Metabolism

		RhoGEF			
	WWP2_HUMAN	NEDD4-like E3 ubiquitin-protein ligase WWP2	35	1	Protein synthesis and degradation
	MYO9A_HUMAN	Myosin-IXa	35	1	Signal transduction
39	PPIC_HUMAN	Peptidyl-prolyl cis-trans isomerase C	41	1	Signal transduction
	K2C1_HUMAN	Keratin, type II cytoskeletal 1	38	1	Cytoskeleton/mobility
	gi 119583243	hCG1784572	37	1	Unknown
	gi 10637712	Immunoglobulin lambda light chain variable region	35	1	Immunological response
40	TBC17_HUMAN	TBC1 domain family member 17	38	1	Signal transduction
	PRDX1_HUMAN	Peroxiredoxin-1	58	2	Protection and detoxification
	BBS7_HUMAN	Bardet-Biedl syndrome 7 protein	35	1	Transport/binding proteins
41	S14L2_HUMAN	SEC14-like protein 2	26	2	DNA replication/gene regulation
	FAM3C_HUMAN	Protein FAM3C	45	1	Signal transduction
	GGCT_HUMAN	Gamma-glutamyl cyclotransferase	38	1	Metabolism
	gi 8895212	Zinc finger DNA binding protein	36	1	DNA replication/gene regulation
42	PPIB_HUMAN	Peptidyl-prolyl cis-trans isomerase B	40	1	Signal transduction
	EGFR_HUMAN	Epidermal growth factor receptor	40	1	Metabolism
	K2C1_HUMAN	Keratin, type II cytoskeletal 1	48	2	Cytoskeleton/mobility
	AHSA1_HUMAN	Activator of 90 kDa heat shock protein ATPase homolog 1	37	1	Chaperone/stress response
43	CIDEA_HUMAN	Cell death activator CIDE-A	39	1	Signal transduction
	PPIB_HUMAN	Peptidyl-prolyl cis-trans isomerase B	41	2	Signal transduction
	K1C9_HUMAN	Keratin, type I cytoskeletal 9	38	2	Cytoskeleton/mobility
	SODC_HUMAN	Superoxide dismutase [Cu-Zn]	42	1	Protection and detoxification
44	PPIB_HUMAN	Peptidyl-prolyl cis-trans isomerase B	61	4	Signal transduction
45	K22E_HUMAN	Keratin, type II cytoskeletal 2 epidermal	43	2	Cytoskeleton/mobility
	K1C9_HUMAN	Keratin, type I cytoskeletal 9	41	3	Cytoskeleton/mobility
	K2C1_HUMAN	Keratin, type II cytoskeletal 1	55	7	Cytoskeleton/mobility
	K1C10_HUMAN	Keratin, type I cytoskeletal 10	36	5	Cytoskeleton/mobility Cytoskeleton
46	PROF1_HUMAN	Profilin-1	47	2	Cytoskeleton/mobility
	THIO_HUMAN	Thioredoxin	41	1	Protection and detoxification
	PPIA_HUMAN	Peptidyl-prolyl cis-trans isomerase A	38	1	Signal transduction
47	HBB_HUMAN	Hemoglobin subunit beta	38	2	Transport/binding proteins
	K1C9_HUMAN	Keratin, type I cytoskeletal 9	77	3	Cytoskeleton/mobility
	LYSC_HUMAN	Lysozyme C	38	1	Protein synthesis and degradation
48	K2C1_HUMAN	Keratin, type II cytoskeletal 1	45	4	Cytoskeleton/mobility
	gi 119619136	hCG1790904, isoform CRA_b	40	2	Unknown
	HEM6_HUMAN	Coproporphyrinogen-III oxidase, mitochondrial	36	1	Metabolism
	gi 182311	Fructose-1,6-bisphosphatase	35	1	Metabolism
49	NEK3_HUMAN	Serine/threonine-protein kinase Nek3	36	1	Cell cycle

		UBIQ_HUMAN	Ubiquitin	42	3	Protein synthesis and degradation
		Q7Z2R6_HUMAN	MSTP132	35	1	Unknown
HepG2	1	FINC_HUMAN	Fibronectin	48	3	Cytoskeleton/mobility
		DNLI3_HUMAN	DNA ligase 3	36	1	Cell cycle
	2	FINC_HUMAN	Fibronectin	70	7	Cytoskeleton/mobility
		ITIH2_HUMAN	Inter-alpha-trypsin inhibitor heavy chain H2	114	7	Metabolism
		RELN_HUMAN	Reelin	103	7	Transport/binding proteins
	3	FINC_HUMAN	Fibronectin	243	14	Cytoskeleton/mobility
	4	FINC_HUMAN	Fibronectin	324	20	Cytoskeleton/mobility
	5	FINC_HUMAN	Fibronectin	71	8	Cytoskeleton/mobility
		AT8B4_HUMAN	Probable phospholipid-transporting ATPase IM	39	1	Metabolism
		A2RQR4_HUMAN	Reverse transcriptase-like protein	38	1	DNA replication/gene regulation
	6	FINC_HUMAN	Fibronectin	70	8	Cytoskeleton/mobility
		A2MG_HUMAN	Alpha-2-macroglobulin	134	13	Protein synthesis and degradation
	7	A2MG_HUMAN	Alpha-2-macroglobulin	203	12	Protein synthesis and degradation
	8	2DMA_HUMAN	HLA class II histocompatibility antigen, DM alpha chain	38	1	Immunological response
		NID1_HUMAN	Nidogen-1	39	1	Transport/binding proteins
		CERU_HUMAN	Ceruloplasmin	55	2	Transport/binding proteins
		A2MG_HUMAN	Alpha-2-macroglobulin	225	19	Protein synthesis and degradation
		A2RTY6_HUMAN	Inter-alpha (globulin) inhibitor H2	36	1	Metabolism
		FINC_HUMAN	Fibronectin	59	7	Cytoskeleton/mobility
		K1C9_HUMAN	Keratin, type I cytoskeletal 9	45	2	Cytoskeleton/mobility
	9	CHK2_HUMAN	Serine/threonine-protein kinase Chk2	0.11	1	Cell cycle
		A2MG_HUMAN	Alpha-2-macroglobulin	177	10	Protein synthesis and degradation
		CERU_HUMAN	Ceruloplasmin	42	3	Transport/binding proteins
	10	CO3_HUMAN	Complement C3	217	10	Immunological response
		FINC_HUMAN	Fibronectin	35	3	Cytoskeleton/mobility
	11	K2C1_HUMAN	Keratin, type II cytoskeletal 1	51	4	Cytoskeleton/mobility
		MTMR4_HUMAN	Myotubularin-related protein 4	35	1	
		A2MG_HUMAN	Alpha-2-macroglobulin	45	3	Protein synthesis and degradation
	12	LG3BP_HUMAN	Galectin-3-binding protein	177	7	Transport/binding proteins
	13	ALBU_HUMAN	Human serum albumin	44	4	Transport/binding proteins
		CTRO_HUMAN	Citron Rho-interacting kinase	54	1	Cell cycle
		gi 306891	90 kDa Heat shock protein	44	4	Chaperone/stress response
LG3BP_HUMAN		Galectin-3-binding protein	40	3	Transport/binding proteins	
TRFE_HUMAN		Serotransferrin	73	6	Transport/binding proteins	
A2MG_HUMAN		Alpha-2-macroglobulin	48	3	Protein synthesis and degradation	
ARMX2_HUMAN		Armadillo repeat-containing, X-linked protein 2	36	1	Transport/binding proteins	

14	TRFE_HUMAN	Serotransferrin	289	12	Transport/binding proteins
15	TRFE_HUMAN	Serotransferrin	540	14	Transport/binding proteins
	THRB_HUMAN	Prothrombin	38	1	Protein synthesis and degradation
	gi 3282001	Immunoglobulin heavy chain variable region	37	1	Immunological response
	NPY5R_HUMAN	Nuropeptide Y receptor type 5	35	1	Signal transduction
16	CO3_HUMAN	Complement C3	375	17	Immunological response
	CO4A_HUMAN	Complement C4-A	72	6	Immunological response
	AACT_HUMAN	Alpha-1-antichymotrypsin	87	5	Protein synthesis and degradation
	FIBA_HUMAN	Fibrinogen alpha chain	38	1	Protein synthesis and degradation
	FETA_HUMAN	Alpha-fetoprotein	40	2	Transport/binding proteins
	TRFE_HUMAN	Serotransferrin	146	9	Transport/binding proteins
	ALBU_HUMAN	Human serum albumin	106	5	Transport/binding proteins
17	FETA_HUMAN	Alpha-fetoprotein	421	11	Transport/binding proteins
	AACT_HUMAN	Alpha-1-antichymotrypsin	54	2	Protein synthesis and degradation
	ALBU_HUMAN	Human serum albumin	490	15	Transport/binding proteins
	K1C9_HUMAN	Keratin, type I cytoskeletal 9	39	1	Cytoskeleton/mobility
18	ALBU_HUMAN	Human serum albumin	289	11	Transport/binding proteins
	FETA_HUMAN	Alpha-fetoprotein	332	10	Transport/binding proteins
	F261_HUMAN	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 1	41	1	Metabolism
	TOPB1_HUMAN	DNA topoisomerase 2-binding protein 1	36	1	DNA replication/gene regulation
19	FETA_HUMAN	Alpha-fetoprotein	97	7	Transport/binding proteins
	ANGT_HUMAN	Angiotensinogen	145	4	Signal transduction
	ALBU_HUMAN	Human serum albumin	206	11	Transport/binding proteins
	FETUA_HUMAN	Alpha-2-HS-glycoprotein	41	1	Protein synthesis and degradation
20	A1AT_HUMAN	Alpha-1-antitrypsin	312	10	Protein synthesis and degradation
	ANGT_HUMAN	Angiotensinogen	145	6	Signal transduction
	CBPE_HUMAN	Carboxypeptidase E	47	1	Protein synthesis and degradation
	SPA11_HUMAN	Serpin A11	37	2	Protein synthesis and degradation
21	A1AT_HUMAN	Alpha-1-antitrypsin	250	9	Protein synthesis and degradation
	IDH3A_HUMAN	Isocitrate dehydrogenase [NAD] subunit alpha, mitochondrial	46	1	Metabolism
	FETA_HUMAN	Alpha-fetoprotein	43	1	Transport/binding proteins
	FIBG_HUMAN	Fibrinogen gamma chain	49	3	Protein synthesis and degradation
22	A1AT_HUMAN	Alpha-1-antitrypsin	483	16	Protein synthesis and degradation
	APOH_HUMAN	Beta-2-glycoprotein 1	49	1	Transport/binding proteins
	ALBU_HUMAN	Human serum albumin	68	8	Transport/binding proteins
	FETA_HUMAN	Alpha-fetoprotein	102	6	Transport/binding proteins
	K2C1_HUMAN	Keratin, type II cytoskeletal 1	61	8	Cytoskeleton/mobility
	IDH3A_HUMAN	Isocitrate dehydrogenase [NAD] subunit alpha, mitochondrial	48	1	Metabolism

23	PEDF_HUMAN	Pigment epithelium-derived factor	190	5	Protein synthesis and degradation
	MATN3_HUMAN	Matrilin-3	73	4	Extracellular matrix
	ALBU_HUMAN	Human serum albumin	59	4	Transport/binding proteins
24	K2C1_HUMAN	Keratin, type II cytoskeletal 1	172	8	Cytoskeleton/mobility
	PAI1_HUMAN	Plasminogen activator inhibitor 1	39	6	Protein synthesis and degradation
	ALBU_HUMAN	Human serum albumin	66	4	Transport/binding proteins
	K22E_HUMAN	Keratin, type II cytoskeletal 2 epidermal	95	5	Cytoskeleton/mobility
	TACC1_HUMAN	Transforming acidic coiled-coil-containing protein 1	35	1	Cell cycle
	A1AG2_HUMAN	Alpha-1-acid glycoprotein 2	46	1	Immunological response
	A1AG1_HUMAN	Alpha-1-acid glycoprotein 1	46	1	Immunological response
25	AIFM2_HUMAN	Apoptosis-inducing factor 2	37	1	Metabolism
	ACTB_HUMAN	Actin, cytoplasmic 1	48	5	Cytoskeleton/mobility
	ADRO_HUMAN	NADPH:adrenodoxin oxidoreductase, mitochondrial	43	1	Metabolism
26	TRFE_HUMAN	Serotransferrin	38	1	Transport/binding proteins
	CO3_HUMAN	Complement C3	49	3	Immunological response
	SPB5_HUMAN	Serpin B5	47	2	Cytoskeleton/mobility
27	K2C1_HUMAN	Keratin, type II cytoskeletal 1	38	1	Cytoskeleton/mobility
	SYNE1_HUMAN	Nesprin-1	36	1	Cytoskeleton/mobility
	TNR4_HUMAN	Tumor necrosis factor receptor superfamily member 4	38	1	Immunological response
	IL1B_HUMAN	Interleukin-1 beta	38	1	Signal transduction
	CLUS_HUMAN	Clusterin	37	2	Immunological response
28	ALBU_HUMAN	Human serum albumin	75	3	Transport/binding proteins
	APOE_HUMAN	Apolipoprotein E	37	4	Transport/binding proteins
	gi 33318880	Ig heavy chain variable region, VH3 family	43	2	Immunological response
	gi 266250	Tetanus toxoid-specific T-cell receptor beta chain	42	1	Unknown
29	L1CAM_HUMAN	Neural cell adhesion molecule L1	35	1	Transport/binding proteins
	ALDOA_HUMAN	Fructose-bisphosphate aldolase A	38	1	Metabolism
	APOE_HUMAN	Apolipoprotein E	102	6	Transport/binding proteins
30	1B49_HUMAN	HLA class I histocompatibility antigen, B-49 alpha chain	43	1	Immunological response
	1B50_HUMAN	HLA class I histocompatibility antigen, B-50 alpha chain	43	1	Immunological response
	1B45_HUMAN	HLA class I histocompatibility antigen, B-45 alpha chain	43	1	Immunological response
	1B41_HUMAN	HLA class I histocompatibility antigen, B-41 alpha chain	43	1	Immunological response
	ALBU_HUMAN	Human serum albumin	77	6	Transport/binding proteins
	APOE_HUMAN	Apolipoprotein E	62	4	Transport/binding proteins
	IBP1_HUMAN	Insulin-like growth factor-binding protein 1	43	2	Signal transduction
31	IBP1_HUMAN	Insulin-like growth factor-binding protein 1	63	4	Signal transduction
	AMBP_HUMAN	Protein AMBP	46	2	Protein synthesis and degradation
32	IBP1_HUMAN	Insulin-like growth factor-binding protein 1	70	5	Signal transduction

	ALBU_HUMAN	Human serum albumin	43	1	Transport/binding proteins
	AMBP_HUMAN	Protein AMBP	47	1	Protein synthesis and degradation
33	ALBU_HUMAN	Human serum albumin	48	3	Transport/binding proteins
	CN180_HUMAN	Transmembrane protein C14orf180	42	1	Membrane proteins
	AMBP_HUMAN	Protein AMBP	38	1	Protein synthesis and degradation
34	APOA1_HUMAN	Apolipoprotein A-I	99	6	Transport/binding proteins
	ALBU_HUMAN	Human serum albumin	39	2	Transport/binding proteins
	FER_HUMAN	Proto-oncogene tyrosine-protein kinase FER	37	2	Metabolism
	gi 46811348	Immunoglobulin heavy chain CDR3	40	1	Immunological response
35	APOA1_HUMAN	Apolipoprotein A-I	471	15	Transport/binding proteins
	CCR6_HUMAN	C-C chemokine receptor type 6	42	1	Signal transduction
36	APOA1_HUMAN	Apolipoprotein A-I	40	4	Transport/binding proteins
	ZN292_HUMAN	Zinc finger protein 292	36	2	Transcriptional regulation
	B0QYE8_HUMAN	Phospholipase A2, group VI (Cytosolic, calcium-independent)	38	1	Metabolism
37	UBP15_HUMAN	Ubiquitin carboxyl-terminal hydrolase 15	39	1	Protein synthesis and degradation
	HECD1_HUMAN	E3 ubiquitin-protein ligase HECTD1	35	1	Protein synthesis and degradation
	ZN787_HUMAN	Zinc finger protein 787	38	1	Transcriptional regulation
38	K2C1_HUMAN	Keratin, type II cytoskeletal 1	52	4	Cytoskeleton/mobility
	K2C1B_HUMAN	Keratin, type II cytoskeletal 1b	46	1	Cytoskeleton/mobility
	NOL11_HUMAN	Nucleolar protein 11	36	2	DNA replication/gene regulation
39	K2C1_HUMAN	Keratin, type II cytoskeletal 1	46	1	Cytoskeleton/mobility
	SUIS_HUMAN	Sucrase-isomaltase, intestinal	39	1	Metabolism
	HP1B3_HUMAN	Heterochromatin protein 1-binding protein 3	49	2	Transcriptional regulation
40	K2C1_HUMAN	Keratin, type II cytoskeletal 1	56	4	Cytoskeleton/mobility
	K1C10_HUMAN	Keratin, type I cytoskeletal 10	52	1	Cytoskeleton/mobility
	gi 169166439	PRDICTED: HPX-153 homeobox	38	2	Transcriptional regulation
	gi 16198460	GAA protein	48	1	Metabolism
41	LTBP1_HUMAN	Latent-transforming growth factor beta-binding protein 1	35	2	Transport/binding proteins
	SSX4_HUMAN	Protein SSX4	44	1	Transcriptional regulation
	TEX2_HUMAN	Testis-expressed sequence 2 protein	39	1	Signal transduction
42	RET4_HUMAN	Retinol-binding protein 4	38	2	Transport/binding proteins
43	PPIB_HUMAN	Peptidyl-prolyl cis-trans isomerase B	43	3	Signal transduction
	gi 119626643	Collagen, type XXV, alpha 1, isoform CRA_a	36	1	Protein synthesis and degradation
	SCTR_HUMAN	Secretin receptor	38	1	Signal transduction
	FGFR3_HUMAN	Fibroblast growth factor receptor 3	35	1	Signal transduction
44	LYSC_HUMAN	Lysozyme C	48	1	Protein synthesis and degradation
	ALBU_HUMAN	Human serum albumin	39	1	Transport/binding proteins

		COF1_HUMAN	Cofilin-1	42	1	Cytoskeleton/mobility
	45	TTHY_HUMAN	Transthyretin	39	1	Transport/binding proteins
		RNAS4_HUMAN	Ribonuclease 4	37	1	DNA replication/gene regulation
		gi 386772	Histone H3	38	3	DNA replication/gene regulation
	46	K2C1_HUMAN	Keratin, type II cytoskeletal 1	84	9	Cytoskeleton/mobility
		K1C9_HUMAN	Keratin, type I cytoskeletal 9	43	3	Cytoskeleton/mobility
		gi 46811771	Immunoglobulin heavy chain CDR3	38	3	Immunological response
	47	LYSC_HUMAN	Lysozyme C	89	3	Protein synthesis and degradation
	48	MYCN_HUMAN	N-myc proto-oncogene protein	49	1	Transcription regulation
		FREM1_HUMAN	FRAS1-related extracellular matrix protein 1	37	1	Transport/binding proteins
		GRB10_HUMAN	Growth factor receptor-bound protein 10	41	1	Signal transduction
	49	gi 119583891	Kinesin family member 13B, isoform CRA_b	45	1	Cytoskeleton/mobility
		gi 619383	Apolipoprotein D, apoD [human, plasma, Peptide, 246 aa]	52	5	Transport/binding proteins
SK-Hep-1	1	TSP1_HUMAN	Thrombospondin-1	49	3	Cytoskeleton/mobility
	2	K2C1_HUMAN	Keratin, type II cytoskeletal 1	126	6	Cytoskeleton/mobility
		TSP1_HUMAN	Thrombospondin-1	41	2	Cytoskeleton/mobility
	3	FINC_HUMAN	Fibronectin	143	9	Cytoskeleton/mobility
		EMR1_HUMAN	EGF-like module-containing mucin-like hormone receptor-like 1	36	1	Signal transduction
	4	TSP1_HUMAN	Thrombospondin-1	38	1	Cytoskeleton/mobility
		L1CAM_HUMAN	Neural cell adhesion molecule L1	130	8	Membrane proteins
		gi 119602648	Gasdermin domain containing 1, isoform CRA_a	42	1	Unknown
	6	FINC_HUMAN	Fibronectin	45	4	Cytoskeleton/mobility
	7	TSP1_HUMAN	Thrombospondin-1	100	9	Cytoskeleton/mobility
		31873147	Interferon gamma receptor 1	36	1	Immunological response
		SPRC_HUMAN	SPARC	41	1	Extracellular matrix
		CL030_HUMAN	N-terminal acetyltransferase B complex subunit MDM20	36	1	Transport/binding proteins
		FINC_HUMAN	Fibronectin	36	2	Cytoskeleton/mobility
	8	TSP1_HUMAN	Thrombospondin-1	39	2	Cytoskeleton/mobility
		CO6A1_HUMAN	Collagen alpha-1 (VI) chain	37	1	Transport/binding proteins
		A16L1_HUMAN	Autophagy-related protein 16-1 APG16 like 1	43	1	Transport/binding proteins
		DOS_HUMAN	Protein Dos	42	1	Membrane proteins
		HS90B_HUMAN	Heat shock protein HSP 90-beta	42	2	Chaperone/stress response
		TRAP1_HUMAN	Heat shock protein 75 kDa, mitochondrial	42	1	Chaperone/stress response
	9	ITA3_HUMAN	Integrin alpha-3	39	2	Cytoskeleton/mobility
		ZFP57_HUMAN	Zinc finger protein 57 homolog	64	1	DNA replication/gene regulation
		IQGA2_HUMAN	Ras GTPase-activating-like protein IQGAP2	36	1	Signal transduction

	LR37A_HUMAN	Leucine-rich repeat-containing protein 37A3	36	1	Transport/binding proteins
	PTPRF_HUMAN	Receptor-type tyrosine-protein phosphatase F	52	4	Transport/binding proteins
10	A4_HUMAN	Amyloid beta A4 protein	44	2	Cytoskeleton/mobility
	K2C1_HUMAN	Keratin, type II cytoskeletal 1	79	4	Cytoskeleton/mobility
	K22E_HUMAN	Keratin, type II cytoskeletal 2 epidermal	47	3	Cytoskeleton/mobility
	CSTN1_HUMAN	Calsyntenin-1	97	5	Transport/binding proteins
	SPRC_HUMAN	SPARC	39	1	Extracellular matrix
11	K2C1_HUMAN	Keratin, type II cytoskeletal 1	98	5	Cytoskeleton/mobility
	LG3BP_HUMAN	Galectin-3-binding protein	55	6	Transport/binding proteins
	K2C8_HUMAN	Keratin, type II cytoskeletal 8	37	1	Cytoskeleton/mobility
12	LG3BP_HUMAN	Galectin-3-binding protein	497	11	Transport/binding proteins
	ACTN1_HUMAN	Alpha-actinin-1	55	4	Cytoskeleton/mobility
	ACTN4_HUMAN	Alpha-actinin-4	50	3	Transport/binding proteins
	SPRC_HUMAN	SPARC	39	1	Extracellular matrix
	QSOX1_HUMAN	Sulfhydryl oxidase 1	35	1	Metabolism
13	CD166_HUMAN	CD166 antigen	41	1	Signal transduction
	LG3BP_HUMAN	Galectin-3-binding protein	275	10	Transport/binding proteins
	QSOX1_HUMAN	Sulfhydryl oxidase 1	136	7	Metabolism
	ALBU_HUMAN	Human serum albumin	40	2	Transport/binding proteins
14	K2C1_HUMAN	Keratin, type II cytoskeletal 1	185	9	Cytoskeleton/mobility
	MOES_HUMAN	Moesin	39	1	Cytoskeleton/mobility
	RADI_HUMAN	Radixin	39	1	Cytoskeleton/mobility
	EZRI_HUMAN	Ezrin	80	6	Cytoskeleton/mobility
	TGM2_HUMAN	Protein-glutamine gamma-glutamyltransferase 2	41	1	Metabolism
	K22E_HUMAN	Keratin, type II cytoskeletal 2 epidermal	84	4	Cytoskeleton/mobility
	SPRC_HUMAN	SPARC	39	1	Extracellular matrix
	QSOX1_HUMAN	Sulfhydryl oxidase 1	86	7	Metabolism
	MYO7A_HUMAN	Myosin-VIIa	35	1	Cytoskeleton/mobility
15	EXT1_HUMAN	Exostosin-1	37	1	Metabolism
	CL011_HUMAN	Uncharacterized protein C12orf11	35	1	Unknown
	QSOX1_HUMAN	Sulfhydryl oxidase 1	89	6	Metabolism
	TFR1_HUMAN	Transferrin receptor protein 1	45	1	Transport/binding proteins
	FETA_HUMAN	Alpha-fetoprotein	57	2	Transport/binding proteins
16	TRFL_HUMAN	Lactotransferrin	47	2	Transport/binding proteins
	UFO_HUMAN	Tyrosine protein kinase receptor UFO	40	2	Signal transduction
	MOES_HUMAN	Moesin	51	1	Cytoskeleton/mobility
17	K2C1_HUMAN	Keratin, type II cytoskeletal 1	35	2	Cytoskeleton/mobility
	SNX32_HUMAN	Sorting nexin-32	37	1	Unknown

	gi 62896815	Heat shock 70kDa protein 8 isoform 2 variant	113	7	Chaperone/stress response
	ALBU_HUMAN	Human serum albumin	48	3	Transport/binding proteins
18	ALBU_HUMAN	Human serum albumin	141	4	Transport/binding proteins
	QSOX1_HUMAN	Sulfhydryl oxidase 1	35	2	Metabolism
19	K2C1_HUMAN	Keratin, type II cytoskeletal 1	36	3	Cytoskeleton/mobility
	ALBU_HUMAN	Human serum albumin	39	1	Transport/binding proteins
	AF273054_1	CTCL tumor antigen	37	1	Transport/binding proteins
	CJ118_HUMAN	Uncharacterized protein C10orf118	35	1	Unknown
	PDIA1_HUMAN	Protein disulfide-isomerase	39	1	Chaperone/stress response
	K0284_HUMAN	Protein KIAA0284	37	1	Unknown
20	KPYM_HUMAN	Pyruvate kinase isozymes M1/M2	78	4	Metabolism
	Q96JS8_HUMAN	ZNF589 protein	49	1	DNA replication/gene regulation
	gi 340021	Alpha-tubulin	61	4	Cytoskeleton/mobility
21	gi 340021	Alpha-tubulin	281	6	Cytoskeleton/mobility
	INADL_HUMAN	InaD like protein	42	2	Transport/binding proteins
	K22E_HUMAN	Keratin, type II cytoskeletal 2 epidermal	62	2	Cytoskeleton/mobility
	K2C1_HUMAN	Keratin, type II cytoskeletal 1	60	3	Cytoskeleton/mobility
22	gi 37492	Alpha-tubulin	38	2	Cytoskeleton/mobility
	EF1A1_HUMAN	Elongation factor 1-alpha 1	121	6	Protein synthesis and degradation
	NGN3_HUMAN	Neurogenin-3	69	1	Protein synthesis and degradation
23	ENOA_HUMAN	Alpha-enolase	98	3	Metabolism
	ENOG_HUMAN	Gamma-enolase	46	1	Metabolism
	gi 338695	Beta-tubulin	52	4	Cytoskeleton/mobility
	VIGLN_HUMAN	Vigilin	37	1	Metabolism
	GDN_HUMAN	Glia-derived nexin	54	4	Protein synthesis and degradation
	ENOA_HUMAN	Alpha-enolase	264	5	Metabolism
	EF1A1_HUMAN	Elongation factor 1-alpha 1	54	3	Protein synthesis and degradation
	EF1A2_HUMAN	Elongation factor 1-alpha 2	51	1	Protein synthesis and degradation
	IF4A1_HUMAN	Eukaryotic initiation factor 4A-I	47	1	Protein synthesis and degradation
	IF4A2_HUMAN	Eukaryotic initiation factor 4A-II	47	1	Protein synthesis and degradation
	HAUS6_HUMAN	HAUS augmin-like complex subunit 6	45	1	Cell cycle
24	TRFL_HUMAN	Lactotransferrin	47	2	Transport/binding proteins
	UFO_HUMAN	Tyrosine-protein kinase receptor UFO	40	2	Signal transduction
	ENOG_HUMAN	Gamma-enolase	56	2	Metabolism
	ENOA_HUMAN	Alpha-enolase	104	5	Metabolism
	PAII_HUMAN	Plasminogen activator inhibitor 1	83	5	Protein synthesis and degradation
25	CATB_HUMAN	Cathepsin B	37	1	Protein synthesis and degradation
	ANS1B_HUMAN	Ankyrin repeat and sterile alpha motif domain-containing 1B	83	1	Protein synthesis and degradation

		SPRC_HUMAN	SPARC	39	1	Extracellular matrix
		PTX3_HUMAN	Pentraxin-related protein PTX3	56	1	Immunological response
		ACTG_HUMAN	Actin, cytoplasmic 2	91	3	Cytoskeleton/mobility
		ACTB_HUMAN	Actin, cytoplasmic 1	362	8	Cytoskeleton/mobility
		ACTG_HUMAN	Actin, cytoplasmic 2	189	4	Cytoskeleton/mobility
		POTEE_HUMAN	POTE ankyrin domain family member E	162	5	Membrane protein
		Q5T8M8_HUMAN	Actin, alpha 1, skeletal muscle	219	7	Cytoskeleton/mobility
	26	K2C1_HUMAN	Keratin, type II cytoskeletal 1	39	4	Cytoskeleton/mobility
		gi 181192	preprocathepsin B	44	2	Protein synthesis and degradation
		VIME_HUMAN	Vimentin	48	2	Cytoskeleton/mobility
		RSSA_HUMAN	40S ribosomal protein SA	44	2	Protein synthesis and degradation
		SPRC_HUMAN	SPARC	44	2	Extracellular matrix
	27	SPRC_HUMAN	SPARC	40	1	Extracellular matrix
		NDF4_HUMAN	Neurogenic differentiation factor 4	41	1	Protein synthesis and degradation
	28	SPRC_HUMAN	SPARC	40	2	Extracellular matrix
		EPCR_HUMAN	Endothelial protein C receptor	43	1	Immunological response
		ALDOA_HUMAN	Fructose-bisphosphate aldolase A	38	1	Metabolism
	29	SPRC_HUMAN	SPARC	40	1	Extracellular matrix
		ROA2_HUMAN	Heterogeneous nuclear ribonucleoproteins A2/B1	39	1	DNA replication/gene regulation
		TOP2B_HUMAN	DNA topoisomerase 2-beta	36	1	DNA replication/gene regulation
	30	G3P_HUMAN	Glyceraldehyde-3-phosphate dehydrogenase	38	2	Metabolism
	31	LDHA_HUMAN	L-lactate dehydrogenase A chain	49	3	Metabolism
	32	K1C9_HUMAN	Keratin, type I cytoskeletal 9	43	4	Cytoskeleton/mobility
		K2C1_HUMAN	Keratin, type II cytoskeletal 1	37	3	Cytoskeleton/mobility
		LANC3_HUMAN	LanC-like protein 3	35	2	Protein synthesis and degradation
		gi 189481	p58/GTA protein kinase	42	1	Cell cycle
	33	RNF17_HUMAN	RING finger protein 17	37	1	Protein synthesis and degradation
		gi 86438948	Immunoglobulin heavy chain	41	1	Immunological response
		Q6P6B6_HUMAN	ZNFX1 protein	36	1	Unknown
		MLE1_HUMAN	Myosin light chain 1, skeletal muscle isoform	48	1	Cytoskeleton/mobility
	34	TIMP1_HUMAN	Metalloproteinase inhibitor 1	44	2	Protein synthesis and degradation
		Q8WU60_HUMAN	NADH dehydrogenase (Ubiquinone) flavoprotein 3, 10kDa	43	1	Metabolism
		gi 2623068	Yotiao	37	1	Metabolism
		VIP2_HUMAN	Inositol hexakisphosphate and diphosphoinositol-pentakisphosphate kinase 2	38	1	Metabolism
		gi 553309	Golgin-165	38	1	Unknown
	35	TIMP1_HUMAN	Metalloproteinase inhibitor 1	48	1	Protein synthesis and degradation
	36	TIMP1_HUMAN	Metalloproteinase inhibitor 1	48	2	Protein synthesis and degradation

	OTOF_HUMAN	Otoferlin	36	1	Membrane protein
	gi 38383015	TAF3 protein	39	1	Protein synthesis and degradation
	gi 2181869	DFFRY	35	1	Protein synthesis and degradation
37	AFF4_HUMAN	AF4/FMR2 family member 4	41	1	Protein synthesis and degradation
	DOK3_HUMAN	Docking protein 3	48	1	Protein synthesis and degradation
	F154A_HUMAN	Protein FAM154A	40	1	Unknown
	K1C9_HUMAN	Keratin, type I cytoskeletal 9	38	1	Cytoskeleton/mobility
	LRP1B_HUMAN	Low-density lipoprotein receptor-related protein 1B	37	1	Transport/binding protein
38	34528479	Unnamed protein product	38	1	Unknown
39	K2C1_HUMAN	Keratin, type II cytoskeletal 1	80	5	Cytoskeleton/mobility
	TSR1_HUMAN	Pre-rRNA-processing protein TSR1 homolog	52	1	Transport/binding protein
	ZKSC3_HUMAN	Zinc finger with KRAB and SCAN domains 3	50	1	Protein synthesis and degradation
40	FXL19_HUMAN	F-box/LRR-repeat protein 19	48	1	DNA replication/gene regulation
41	MYT2_HUMAN	Replication initiation-like protein	37	1	DNA replication/gene regulation
	K2C1_HUMAN	Keratin, type II cytoskeletal 1	81	7	Cytoskeleton/mobility
	TIMP2_HUMAN	Metalloproteinase inhibitor 2 precursor	43	4	Protein synthesis and degradation
42	NDK8_HUMAN	Putative nucleoside diphosphate kinase	36	1	Metabolism
	Q32Q12_HUMAN	Nucleoside diphosphate kinase	39	3	Metabolism
	gi 67190163	Proteoglycan 4 isoform A	42	1	Transport/binding protein
	ZN256_HUMAN	Zinc finger protein 256	38	1	Cell cycle
43	K2C1_HUMAN	Keratin type II cytoskeletal 1	185	11	Cytoskeleton/mobility
	RAP1A_HUMAN	Ras-related protein Rap-1A	42	1	Cell cycle
	RAP1B_HUMAN	Ras-related protein Rap-1b	42	1	Cell cycle
	825723	tropomyosin 227 AA	42	1	Cytoskeleton/mobility
	K1C9_HUMAN	Keratin, type I cytoskeletal 9	97	5	Cytoskeleton/mobility
	PPIB_HUMAN	Peptidylprolyl cistrans isomerase B	63	4	Metabolism
44	K2C1_HUMAN	Keratin, type II cytoskeletal 1	37	4	Cytoskeleton/mobility
	K1H5_HUMAN	Keratin, type I cuticular Ha5	43	1	Cytoskeleton/mobility
45	K2C1_HUMAN	Keratin, type II cytoskeletal 1	232	12	Cytoskeleton/mobility
	PPIA_HUMAN	Peptidy-prolyl cis-trans isomerase A	95	3	Metabolism
	COF2_HUMAN	Cofilin-2	42	2	Cytoskeleton/mobility
	COF1_HUMAN	Cofilin-1	42	2	Cytoskeleton/mobility
	Q32Q12_HUMAN	Nucleoside diphosphate kinase	49	2	Metabolism
	114319005	Transthyretin Homo sapiens	42	1	Transport/binding protein
	gi 6166493	Thioredoxin peroxidase PMP20	48	2	Metabolism
46	TTHY_HUMAN	Transthyretin	38	1	Membrane protein
	PRDX5_HUMAN	Peroxiredoxin-5, mitochondrial	37	3	Cytoskeleton/mobility
	CUTA_HUMAN	Protein CutA	40	2	Protein synthesis and degradation

		K2C1_HUMAN	Keratin, type II cytoskeletal 1	36	2	Transport/binding proteins		
		CYTC_HUMAN	Cystatin-C	38	2	Cytoskeleton/mobility		
	47		AT12A_HUMAN	Potassium-transporting ATPase alpha chain 2	35	1	Transport/binding proteins	
			HBB_HUMAN	Hemoglobin subunit beta	35	1	Transport/binding proteins	
			PROF1_HUMAN	Profilin-1	178	3	Cytoskeleton/mobility	
			CYTC_HUMAN	Cystatin-C	37	1	Protein synthesis and degradation	
			H4_HUMAN	Histone H4	42	3	DNA replication/gene regulation	
			HBB_HUMAN	Hemoglobin subunit beta	35	1	Transport/binding proteins	
	48		K2C1_HUMAN	Keratin, type II cytoskeletal 1	45	1	Cytoskeleton/mobility	
			B2MG_HUMAN	Beta-2-microglobulin	54	2	Transport/binding proteins	
			K1C9_HUMAN	Keratin, type I cytoskeletal 9	54	1	Cytoskeleton/mobility	
			CH10_HUMAN	10 kDa heat shock protein, mitochondrial	35	1	Chaperone/stress response	
			DSC3_HUMAN	Desmocollin-3	47	1	Transport/binding proteins	
			RS28_HUMAN	40S ribosomal protein S28	42	1	Protein synthesis and degradation	
			UBIQ_HUMAN	Ubiquitin	98	3	Transport/binding proteins	
			UBIQ_HUMAN	Ubiquitin	58	4	Transport/binding proteins	
	HCC-S102	1		K1C10_HUMAN	Keratin, type I cytoskeletal 10	53	4	Cytoskeleton/mobility
				K2C1_HUMAN	Keratin, type II cytoskeletal 1	104	7	Cytoskeleton/mobility
				K2C4_HUMAN	Keratin, type II cytoskeletal 4	38	2	Cytoskeleton/mobility
2			85397980	Coiled coil domain containing 144B Homo sapiens	37	1	Unknown	
			149363642	Coiled coil domain containing 144AHomo sapiens	37	1	Unknown	
			K2C1_HUMAN	Keratin, type II cytoskeletal 1	77	4	Cytoskeleton/mobility	
3			IF4G2_HUMAN	Eukaryotic translation initiation factor 4 gamma 2	35	1	Protein synthesis and degradation	
			XPO2_HUMAN	Exportin-2	35	1	Transport/binding proteins	
4			85397980	Coiled coil domain containing 144B Homo sapiens	37	1	Unknown	
			149363642	Coiled coil domain containing 144AHomo sapiens	37	1	Unknown	
			K1C9_HUMAN	Keratin, type I cytoskeletal 9	35	1	Cytoskeleton/mobility	
			KIF6_HUMAN	Kinesin-like protein KIF6	35	1	Cytoskeleton/mobility	
5			GNDS_HUMAN	Ral guanine nucleotide dissociation stimulator	38	1	Signal transduction	
6			ALKB5_HUMAN	Alkylated DNA repair protein alkB homolog 5	37	1	Membrane proteins	
			GGT1_HUMAN	Gamma-glutamyltransferase type 1	37	1	Metabolism	
			gi 119624248	hCG2041343	38	1	Unknown	
			MIB2_HUMAN	E3 ubiquitin-protein ligase MIB2	39	2	Signal transduction	
7			CO6_HUMAN	Complement component C6	45	3	Immunological response	
			MYH10_HUMAN	Myosin-10	36	1	Cytoskeleton/mobility	
			COPG2_HUMAN	Coatomer subunit gamma-2	38	1	Transport/binding proteins	
8			CERU_HUMAN	Ceruloplasmin	49	4	Transport/binding proteins	
			A2MG_HUMAN	Alpha-2-macroglobulin	36	2	Protein synthesis and degradation	

9	K1C10_HUMAN	Keratin, type I cytoskeletal 10	44	2	Cytoskeleton/mobility
	K1C9_HUMAN	Keratin, type I cytoskeletal 9	40	5	Cytoskeleton/mobility
10	K2C1_HUMAN	Keratin, type II cytoskeletal 1	51	3	Cytoskeleton/mobility
	CSTN1_HUMAN	Calsyntenin-1	42	2	Transport/binding proteins
	ALBU_HUMAN	Human serum albumin	38	2	Transport/binding proteins
11	CSTN1_HUMAN	Calsyntenin-1	41	1	Transport/binding proteins
	LG3BP_HUMAN	Galectin-3-binding protein	79	5	Transport/binding proteins
12	LG3BP_HUMAN	Galectin-3-binding protein	230	8	Transport/binding proteins
	EF2_HUMAN	Elongation factor 2	37	1	Protein synthesis and degradation
13	HS90B_HUMAN	Heat shock protein HSP 90-beta	39	1	Chaperone/stress response
	gi 62914009	HSP90AA1 protein	47	4	Chaperone/stress response
	LG3BP_HUMAN	Galectin-3-binding protein	53	4	Transport/binding proteins
14	K1C10_HUMAN	Keratin, type I cytoskeletal 10	48	1	Cytoskeleton/mobility
	HS90B_HUMAN	Heat shock protein HSP 90-beta	52	4	Chaperone/stress response
	QSOX1_HUMAN	Sulfhydryl oxidase 1	44	4	Metabolism
	EPHB1_HUMAN	Ephrin type-B receptor 1	42	1	Transport/binding proteins
15	RCCD1_HUMAN	RCC1 domain-containing protein 1	41	1	Unknown
	K2C1_HUMAN	Keratin, type II cytoskeletal 1	39	1	Cytoskeleton/mobility
	B4DYM1_HUMAN	cDNA FLJ60372, highly similar to Myosin-18A	37	1	Unknown
16	ALBU_HUMAN	Human serum albumin	69	5	Transport/binding proteins
	GFAP_HUMAN	Gliial fibrillary acidic protein	40	1	Transport/binding proteins
	K2C7_HUMAN	Keratin, type II cytoskeletal 7	40	1	Cytoskeleton/mobility
	K2C8_HUMAN	Keratin, type II cytoskeletal 8	40	1	Cytoskeleton/mobility
	K2C4_HUMAN	Keratin, type II cytoskeletal 4	40	1	Cytoskeleton/mobility
	K2C1_HUMAN	Keratin, type II cytoskeletal 1	72	1	Cytoskeleton/mobility
17	ALBU_HUMAN	Human serum albumin	145	4	Transport/binding proteins
18	ALBU_HUMAN	Human serum albumin	135	9	Transport/binding proteins
	K2C1_HUMAN	Keratin, type II cytoskeletal 1	105	6	Cytoskeleton/mobility
	R4RL1_HUMAN	Reticulon-4 receptor-like 1	48	1	Transport/binding proteins
	IGF1A_HUMAN	Insulin-like growth factor IA	44	1	DNA replication/gene regulation
	TIP60_HUMAN	Histone acetyltransferase KAT5	46	1	DNA replication/gene regulation
19	S12A7_HUMAN	Solute carrier family 12 member 7	42	1	Transport/binding proteins
	PCSK9_HUMAN	Proprotein convertase subtilisin/kexin type 9	47	2	Metabolism
	UGDH_HUMAN	UDP-glucose 6-dehydrogenase	46	2	Metabolism
20	FBX37_HUMAN	F-box only protein 37	37	1	Transport/binding proteins
	G6PI_HUMAN	Glucose-6-phosphate isomerase	40	5	Metabolism
21	gi 181965	Elongation factor 1-alpha	37	1	Protein synthesis and degradation
22	TBB5_HUMAN	Tubulin beta chain	49	4	Cytoskeleton/mobility

		EF1G_HUMAN	Elongation factor 1-gamma	46	1	Protein synthesis and degradation
		ENOA_HUMAN	Alpha-enolase	39	4	Metabolism
		EF1G_HUMAN	Elongation factor 1-gamma	36	1	Protein synthesis and degradation
23		ENOA_HUMAN	Alpha-enolase	365	10	Metabolism
		ENOB_HUMAN	Beta-enolase	41	1	Metabolism
		6PGD_HUMAN	6-phosphogluconate dehydrogenase, decarboxylating	39	1	Metabolism
		SH3K1_HUMAN	SH3 domain-containing kinase-binding protein 1	44	3	Signal transduction
		ENOG_HUMAN	Gamma-enolase	177	3	Metabolism
24		6PGD_HUMAN	6-phosphogluconate dehydrogenase, decarboxylating	42	2	Metabolism
		PDE7A_HUMAN	High affinity cAMP-specific 3', 5'-cyclic phosphodiesterase 7A	40	1	Signal transduction
		IDHC_HUMAN	Isocitrate dehydrogenase [NADP] cytoplasmic	52	3	Metabolism
		ES8L1_HUMAN	Epidermal growth factor receptor kinase substrate 8-like protein 1	42	2	Cytoskeleton/mobility
25		ACTBL_HUMAN	Beta-actin-like protein 2	35	1	Cytoskeleton/mobility
		ANKS3_HUMAN	Ankyrin repeat and SAM domain-containing protein 3	35	1	Unknown
		ACTB_HUMAN	Actin, cytoplasmic 1	139	5	Cytoskeleton/mobility
		B2RPJ1_HUMAN	Actin, beta-like 2	79	3	Cytoskeleton/mobility
26		K1C9_HUMAN	Keratin, type I cytoskeletal 9	39	2	Cytoskeleton/mobility
		GGH_HUMAN	Gamma-glutamyl hydrolase	40	1	Metabolism
		K1C10_HUMAN	Keratin, type I cytoskeletal 10	111	4	Cytoskeleton/mobility
		Q53FF7_HUMAN	CD27-binding (Siva) protein isoform 1 variant	40	1	Transport/binding proteins
27		MIPT3_HUMAN	TRAF3-interacting protein 1	35	1	Signal transduction
		ALDOA_HUMAN	Fructose-bisphosphate aldolase A	40	1	Metabolism
		Q4W5M8_HUMAN	PET112-like (yeast)	39	1	Protein synthesis and degradation
		K1C9_HUMAN	Keratin, type I cytoskeletal 9	38	1	Cytoskeleton/mobility
28		DDX53_HUMAN	Probable ATP-dependent RNA helicase DDX53	37	1	DNA replication/gene regulation
		ALDOA_HUMAN	Fructose-bisphosphate aldolase A	77	4	Metabolism
		K1C10_HUMAN	Keratin, type I cytoskeletal 10	41	2	Cytoskeleton/mobility
		gi 338057	Sulfated glycoprotein-2	95	3	Transport/binding proteins
		RLA0_HUMAN	60S acidic ribosomal protein P0	34	1	Transport/binding proteins
		K1C9_HUMAN	Keratin, type I cytoskeletal 9	65	4	Cytoskeleton/mobility
29		K1C10_HUMAN	Keratin, type I cytoskeletal 10	40	2	Cytoskeleton/mobility
		K2C1_HUMAN	Keratin, type II cytoskeletal 1	73	7	Cytoskeleton/mobility
		ANXA2_HUMAN	Annexin A2	51	4	Cytoskeleton/mobility
		NOSTN_HUMAN	Nostrin	35	1	Transport/binding proteins
30		G3P_HUMAN	Glyceraldehyde-3-phosphate dehydrogenase	128	7	Metabolism
		FGL1_HUMAN	Fibrinogen-like protein 1	57	1	Signal transduction

	CHD8_HUMAN	Chromodomain-helicase-DNA-binding protein 8	38	1	DNA replication/gene regulation
	K2C1B_HUMAN	Keratin, type II cytoskeletal 1b	45	1	Cytoskeleton/mobility
31	FGL1_HUMAN	Fibrinogen-like protein 1	83	6	Signal transduction
32	K1C13_HUMAN	Keratin, type I cytoskeletal 13	48	1	Cytoskeleton/mobility
	K1C10_HUMAN	Keratin, type I cytoskeletal 10	193	9	Cytoskeleton/mobility
	K2C1_HUMAN	Keratin, type II cytoskeletal 1	82	7	Cytoskeleton/mobility
	ENOA_HUMAN	Alpha-enolase	48	1	Metabolism
33	K2C1_HUMAN	Keratin, type II cytoskeletal 1	109	7	Cytoskeleton/mobility
	K1C10_HUMAN	Keratin, type I cytoskeletal 10	35	1	Cytoskeleton/mobility
	K1C9_HUMAN	Keratin, type I cytoskeletal 9	39	4	Cytoskeleton/mobility
34	TPIS_HUMAN	Triosephosphate isomerase	39	2	Metabolism
	CHD1_HUMAN	Chromodomain-helicase-DNA-binding protein 1	38	1	DNA replication/gene regulation
	gi 119577863	hCG2041066	38	1	Unknown
	NSF1C_HUMAN	NSFL1 cofactor p47	38	1	Cytoskeleton/mobility
35	CP20A_HUMAN	Cytochrome P450 20A1	43	1	Metabolism
	AGA11_HUMAN	Arf-GAP, GTPase, ANK repeat and PH domain-containing protein 11	40	1	Metabolism
	K2C1_HUMAN	Keratin, type II cytoskeletal 1	42	4	Cytoskeleton/mobility
36	Q5VY93_HUMAN	Rho/rac guanine nucleotide exchange factor (GEF) 2	39	1	Signal transduction
	CF223_HUMAN	Uncharacterized protein C6orf223	42	2	Unknown
	gi 119622046	hCG1646228	42	1	Unknown
	Q8TEM7_HUMAN	FLJ00166 protein	41	1	DNA replication/gene regulation
37	K22E_HUMAN	Keratin, type II cytoskeletal 2 epidermal	38	2	Cytoskeleton/mobility
	K2C1_HUMAN	Keratin, type II cytoskeletal 1	36	2	Cytoskeleton/mobility
	FIGL1_HUMAN	Fidgetin-like protein 1	38	1	Metabolism
38	GDF15_HUMAN	Growth/differentiation factor 15	40	1	Signal transduction
	K1C9_HUMAN	Keratin, type I cytoskeletal 9	36	2	Cytoskeleton/mobility
	PRDX1_HUMAN	Peroxiredoxin-1	35	2	Transport/binding proteins
39	K2C1_HUMAN	Keratin, type II cytoskeletal 1	70	4	Cytoskeleton/mobility
	EPHB1_HUMAN	Ephrin type-B receptor 1	41	2	Transport/binding proteins
	gi 6643713	Immunoglobulin V lambda/J lambda light chain	42	1	Immunological response
	K1C9_HUMAN	Keratin, type I cytoskeletal 9	42	2	Cytoskeleton/mobility
40	K2C1_HUMAN	Keratin, type II cytoskeletal 1	46	2	Cytoskeleton/mobility
	Q3SYD4_HUMAN	SSX4 protein	35	1	DNA replication/gene regulation
	AP2B_HUMAN	Transcription factor AP-2 beta	35	1	DNA replication/gene regulation
	ZN536_HUMAN	Zinc finger protein 536	35	1	DNA replication/gene regulation
41	EMIL1_HUMAN	EMILIN-1	42	2	Cytoskeleton/mobility
	ZN511_HUMAN	Zinc finger protein 511	41	1	DNA replication/gene regulation

		K2C1_HUMAN	Keratin, type II cytoskeletal 1	41	2	Cytoskeleton/mobility
42		K2C1_HUMAN	Keratin, type II cytoskeletal 1	41	4	Cytoskeleton/mobility
		Q9H2G3_HUMAN	CTCL tumor antigen se20-7	42	2	Unknown
		RGL1_HUMAN	Ral guanine nucleotide dissociation stimulator-like 1	42	2	Signal transduction
		BAI1_HUMAN	Brain-specific angiogenesis inhibitor 1	37	2	Signal transduction
		ZN787_HUMAN	Zinc finger protein 787	43	1	DNA replication/gene regulation
43		E41L2_HUMAN	Band 4.1-like protein 2	39	2	Membrane proteins
		ZPR1_HUMAN	Zinc finger protein ZPR1	38	2	DNA replication/gene regulation
		HERC2_HUMAN	Probable E3 ubiquitin-protein ligase HERC2	38	1	Transport/binding proteins
		K2C1B_HUMAN	Keratin, type II cytoskeletal 1b	47	1	Cytoskeleton/mobility
44		MCES_HUMAN	mRNA cap guanine-N7 methyltransferase	54	1	DNA replication/gene regulation
		PPIA_HUMAN	Peptidyl-prolyl cis-trans isomerase A	52	2	Protein synthesis and degradation
45		ZDBF2_HUMAN	DBF4-type zinc finger-containing protein 2	35	2	Unknown
		PERI_HUMAN	Peripherin	41	1	Cytoskeleton/mobility
		PPIA_HUMAN	Peptidyl-prolyl cis-trans isomerase A	39	2	Protein synthesis and degradation
46		K2C1_HUMAN	Keratin, type II cytoskeletal 1	37	1	Cytoskeleton/mobility
		THIO_HUMAN	Thioredoxin	38	3	Transport/binding proteins
		gi 169176438	PREDICTED: hypothetical protein	35	1	Unknown
		H4_HUMAN	Histone H4	38	2	DNA replication/gene regulation
47		THIO_HUMAN	Thioredoxin	39	1	Transport/binding proteins
		gi 171853445	Immunoglobulin heavy chain variable region	38	1	Immunological response
		CO5A1_HUMAN	Collagen alpha-1(V) chain	37	1	Protein synthesis and degradation
48		K2C1_HUMAN	Keratin, type II cytoskeletal 1	119	6	Cytoskeleton/mobility
		UBIQ_HUMAN	Ubiquitin	52	4	Transport/binding proteins