

Staufen1 HIV-1 Ribonucleoprotein Complex

Protein name	Function	Distribution	MW	HIV-1	Accession Number	Unique Peptides	Sequence Coverage
Heterogeneous nuclear ribonucleoprotein M (hnRNP M)	mRNA metabolism/hnRNPs	N	77516	No	P52272	26	24.8
Clathrin heavy chain 1 (CLTC)	Vesicular/Protein transport	C, PM	191614	Yes	Q00610	23	17.3
Vimentin (VIM)	Cytoskeleton	C	53652	Yes	P08670	23	54.9
ATP-dependent RNA helicase A (DDX9)	mRNA metabolism/Helicase	N, C	140958	Yes	Q08211	21	18.3
Pre-mRNA-processing-splicing factor 8 (PRPF8)	mRNA metabolism/Splicing	N, Spl	273600	No	Q6P2Q9	15	8
Staufen protein	mRNA metabolism/Export, Transport and localization	C, ER	63182	Yes	O95793	15	22.5
Tubulin, beta-5 (TUBB5)	Cytoskeleton	C	49671	No	P07437	15	34
Coatomer subunit alpha (COPA)	Vesicular/Protein transport	C, TGN	138346	No	P53621	13	13.5
fatty acid synthase (FASN)	Metabolism/Lipids	C	273427	No	P49327	13	8
Nucleolin (NCL)	mRNA metabolism/Export, Transport and localization	N, C	76614	No	P19338	13	21.6
U5 small nuclear ribonucleoprotein 200 kDa helicase (SNRNP200)	mRNA metabolism/Splicing	N, Spl	244508	No	O75643	13	7.3
heterogeneous nuclear ribonucleoprotein U (hnRNP U)	mRNA metabolism/hnRNPs	N, C, Spl	90584	No	Q00839	12	12.5
minichromosome maintenance complex component 7 isoform 1 (MCM7)	Cell cycle/DNA replication	N	81308	No	P33993	12	23.8
Probable ATP-dependent RNA helicase (DDX5)	mRNA metabolism/Helicase	N	69148	No	P17844	12	17.3
probably Far upstream element-binding protein 2 (FUBP2)	mRNA metabolism/Export, Transport and localization	N,C	73146	No	Q92945	12	19
DNA dependent protein kinase catalytic subunit (PRKDC)	DNA damage/Recombination	N	469089	No	P78527	11	3.2
Nucleolar RNA helicase 2 (DDX21)	mRNA metabolism/Helicase	N	87344	No	Q9NR30	11	17.4
ATP synthase, H+ transporting, mitochondrial F1 complex, alpha subunit 1 (ATP5A1)	Ion transport	Mit	59751	No	P25705	10	24.1
Myb-binding protein 1A (MYBBP1A)	mRNA metabolism/Transcription	N, C	148855	No	Q9BQG0	10	10.8
Polyadenylate-binding protein 1 (PABPC1)	Translation/Initiation	C, N	70671	No	P11940	10	21.6
Splicing factor 3B subunit 2 (SF3B2)	mRNA metabolism/Splicing	N, Spl	97657	No	Q13435	10	13.7
40S ribosomal protein S3 (RPS3)	Translation/Ribosomes	C	26688	No	P23396	9	39.5
Alpha-internexin (INA)	Cytoskeleton	C	55391	No	Q16352	9	22
Heterogeneous nuclear ribonucleoprotein H1 (hnRNP H1)	mRNA metabolism/hnRNPs	N, Spl	49229	No	P31943	9	26.9
Putative ATP-dependent RNA helicase DHX30	mRNA metabolism/Helicase	C, Mit	133938	No	Q7L2E3	9	9.1
Putative pre-mRNA-splicing factor ATP-dependent RNA helicase (DHX15)	mRNA metabolism/Helicase	N	90933	No	O43143	9	10.8
40S ribosomal protein S6 (RPS6)	Translation/Ribosomes	C, R	28681	No	P62753	8	21.7
Electron transfer flavoprotein subunit beta (ETFB)	Ion transport	Mit	27844	No	P38117	8	29
Glyceraldehyde-3-phosphate dehydrogenase (GAPDH)	Metabolism/Carbohydrates	C	36053	Yes	P04406	8	31.9
Heat shock 70kDa protein 8	Protein processing/Folding	C	92469	Yes	P11142	8	18.4
Heterogeneous nuclear ribonucleoprotein A1 (hnRNP A1)	mRNA metabolism/hnRNPs	N, C, Spl	38747	No	P09651	8	21.2
Heterogeneous nuclear ribonucleoprotein A2/B1 (hnRNP A2/B1)	mRNA metabolism/hnRNPs	N, C, Spl	37430	No	P22626	8	33.1
Interleukin enhancer-binding factor 2 (NF45)	mRNA metabolism/Transcription	N, C	43062	No	Q12905	8	21.7
Interleukin enhancer-binding factor 3 (NF90)	mRNA metabolism/Transcription	N, C	95338	No	Q12906	8	13.7
Leucine-rich PPR motif-containing protein (LRP130)	mRNA metabolism/Export, Transport and localization	N, C	157905	No	P42704	8	6.7
Leucyl tRNA synthetase (LARS)	Translation/Aminoacylation	C	134466	No	Q9P2J5	8	7.8
Matrin-3 (MATR3)	mRNA metabolism/Stability and decay	N	94623	No	P43243	8	10.4
Splicing factor, arginine/serine-rich 1 (SFRS1)	mRNA metabolism/Splicing	C, N	27745	No	Q07955	8	28.4
60S ribosomal protein L4 (RPL4)	Translation/Ribosomes	C	47697	No	P36578	7	18.3
Actin, cytoplasmic 1	Cytoskeleton	C	41736	Yes	P60709	7	38.4
ADP/ATP translocase 2 (SLC25A5)	Other/Mitochondrial transmembrane transport	Mit	32895	No	P05141	7	23.5
ATP-dependent RNA helicase (DDX1)	mRNA metabolism/Helicase	N, C	82432	No	Q92499	7	11.6
Eukaryotic initiation factor 4A-I (eIF4A1)	Translation/Initiation	C	46154	No	P60842	7	21.2
HIV-1 TAR RNA-binding protein B (RPL3)	Translation/Elongation	C, N	46109	No	P39023	7	22.9
Pyruvate kinase	Metabolism/Carbohydrates	C	57805	Yes	P14618	7	20.7
Transcription intermediary factor 1-beta (TRIM28)	mRNA metabolism/Transcription	N	88550	No	Q13263	7	11
40S ribosomal protein S4, X isoform (RPS4X)	Translation/Ribosomes	C	29598	No	P62701	6	16.8
60S ribosomal protein L13 (RPL13)	Translation/Ribosomes	C	24261	No	P26373	6	24.6
60S ribosomal protein L7a	Translation/Ribosomes	C, R	29996	Yes	P62424	6	18.4
Cleavage and polyadenylation specificity factor subunit 1 (CPSF1)	mRNA metabolism/ 3'-processing	N	160884	No	Q10570	6	5.1
Developmentally-regulated GTP-binding protein 1 (DRG1)	Cell proliferation/Differentiation	C	40542	No	Q9Y295	6	21.3
ELAV-like protein 1 (HUR)	mRNA metabolism/Stability and decay	C	36092	No	Q15717	6	25.8
Heterogeneous nuclear ribonucleoprotein A3 (hnRNP A3)	mRNA metabolism/hnRNPs	N, C, Spl	39595	No	P51991	6	18.8
Heterogeneous nuclear ribonucleoproteins C1/C2 (hnRNP C1/C2)	mRNA metabolism/hnRNPs	N, Spl	32338	No	P07910	6	16.9

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Protein name	Function	Distribution	MW	HIV-1	Accession Number	Unique Peptides	Sequence Coverage
Insulin-like growth factor 2 mRNA-binding protein 1 (IMP1)	mRNA metabolism/Export, Transport and localization	N, C	63456	Yes	Q9NZI8	6	16
Lactate dehydrogenase B (LDHB)	Metabolism/Carbohydrates	C	36638	No	P07195	6	21
Pre-mRNA-processing factor 40 homolog A (FBP11)	mRNA metabolism/Splicing	N, C	108805	No	O75400	6	8
Probable ATP-dependent RNA helicase (DDX17)	mRNA metabolism/Helicase	N	72371	No	Q92841	6	17.2
Programmed cell death 8 (AIFM1)	Apoptosis	Mit, N	66901	No	O95831	6	14.5
Prohibitin 2	mRNA metabolism/Transcription	C, N	33296	No	Q99623	6	19.4
Ribophorin I (RPN1)	Protein processing/N-linked glycosylation	ER	68569	Yes	P04843	6	12.7
Ribosomal protein L7 (RPL7)	Translation/Ribosomes	C	29226	Yes	P18124	6	20.6
Splicing factor, proline- and glutamine-rich (SFPQ)	mRNA metabolism/Splicing	N, C	76149	No	P23246	6	10.5
T-complex protein 1 subunit alpha (TCP1A)	Protein processing/Folding	C	60344	No	P17987	6	16.4
Tubulin alpha-1A chain (TUBA1A)	Cytoskeleton	C	50136	Yes	Q71U36	6	18.6
60S acidic ribosomal protein P0 (RPLP0)	Translation/Ribosomes	C	34274	No	P05388	5	23.7
60S ribosomal protein L6	Translation/Ribosomes	C	32728	No	Q02878	5	21.8
Alpha-enolase (ENO 1)	Metabolism/Carbohydrates	C	47169	Yes	P06733	5	18.7
ATP-dependent RNA helicase DDX3X (DDX3)	mRNA metabolism/Helicase	N, C	73243	No	O00571	5	12.2
Elongation factor 1-alpha 1 (eF1A)	Translation/Elongation	C	50141	Yes	P68104	5	11.9
Guanine nucleotide-binding protein subunit beta-2-like 1 (RACK1)	Signaling	PM, C	35077	No	P63244	5	15
Heterogeneous nuclear ribonucleoprotein G (hnRNP G)	mRNA metabolism/hnRNPs	N, Spl	42332	No	P38159	5	11
Heterogeneous nuclear ribonucleoprotein R (hnRNP R)	mRNA metabolism/hnRNPs	N, Spl, C	70943	No	O43390	5	10.3
Mitochondrial 2-oxoglutarate/malate carrier protein (SLC25A11)	Other/Mitochondrial transmembrane transport	Mit	34062	No	Q02978	5	22.3
Non-POU domain-containing octamer-binding protein (NONO)	mRNA metabolism/Export, Transport and localization	N, C	54232	No	Q15233	5	11.9
Ornithine aminotransferase (OAT)	Metabolism/Amino acids	Mit	48535	No	P04181	5	15.5
Sideroflexin 1	Ion transport	Mit	35619	No	Q9H9B4	5	20.1
Sodium/potassium-transporting ATPase subunit alpha-1	Ion transport	PM	112896	Yes	P05023	5	8.2
Stress-70 protein, mitochondrial	Protein processing/Folding	Mit	73680	Yes	P38646	5	14.8
U4/U6.U5 tri-snRNP-associated protein 1 (SART1)	mRNA metabolism/Splicing	N	90255	No	O43290	5	7.4
40S ribosomal protein S8 (RPS8)	Translation/Elongation	C	24205	No	P62241	4	26.4
40S ribosomal protein S9	Translation/Ribosomes	C	22591	No	P46781	4	33.6
60S ribosomal protein L10 (RPL10)	Translation/Ribosomes	C	24604	No	P27635	4	11.7
60S ribosomal protein L5 (RPL5)	Translation/Ribosomes	C	34363	No	P46777	4	9.1
78 kDa glucose-regulated protein	Protein processing/Folding	ER	72333	Yes	P11021	4	12.7
ADP-ribosylation factor 4 (ARF4/ARF2)	Vesicular/Protein transport	TGN, ER	20511	No	P18085	4	16.1
ATP synthase subunit O, mitochondrial (ATP5O)	Ion transport	Mit	23277	No	P48047	4	21.6
Caprin-1 (GPI-anchored protein p137)	Signaling	C, PM	78366	No	Q14444	4	6.2
Cell division cycle 5-like protein (CDC5L)	Cell cycle	N, C	92251	No	Q99459	4	6
Cleavage and polyadenylation specificity factor subunit 7 (CPSF7)	mRNA metabolism/ 3'-processing	N	52050	No	Q8N684	4	9.3
Delta-1-pyrroline-5-carboxylate synthetase (ALDH18A1)	Metabolism/Carbohydrates	C	87302	No	P54886	4	5.3
Eukaryotic translation initiation factor 3 subunit D (eIF-3-zeta)	Translation/Initiation	C	63973	No	O15371	4	7.7
Glutamyl-tRNA synthetase (EPRS)	Translation/Aminoacylation	C	170591	No	P07814	4	3.8
GTP-binding nuclear protein Ran	Protein processing/Ubiquitination (UPS)	N, C	24423	Yes	P62826	4	21.3
IQ motif containing GTPase activating protein 1	Cytoskeleton	PM	189761	Yes	P46940	4	2
Long-chain-fatty-acid--CoA ligase 3 (ACSL3)	Metabolism/Lipids	ER, Mit, Mem	80420	No	O95573	4	6.7
Nuclear factor p97	Other/Nucleocytoplasmic transport of proteins	C, N	98420	Yes	Q14974	4	6
Nuclease sensitive element binding protein-1 (YBX1)	mRNA metabolism/Transcription	N, C	35924	No	P67809	4	19.5
Nucleophosmin (NPM1)	Protein processing/Folding	N, C	32575	No	P06748	4	19.6
Prohibitin (PHB)	mRNA metabolism/Transcription	Mit	29804	No	P35232	4	16.5
Regulator of nonsense transcripts 1 (Upf1)	mRNA metabolism/Stability and decay	C	124351	Yes	Q92900	4	4
Signal recognition particle 72 kDa protein (SRP72)	Vesicular/Protein transport	C, ER	74606	No	O76094	4	8.9
Splicing factor 3B subunit 1 (SAP155)	mRNA metabolism/Splicing	N, Spl	145830	No	O75533	4	3.9
Splicing factor, arginine/serine-rich 7 (SFRS7)	mRNA metabolism/Splicing	N	27367	No	Q16629	4	14.7
Structural maintenance of chromosomes protein 1A (SMC1A)	Cell cycle	N	143233	No	Q14683	4	4.4
THO complex 4 (THOC4)	mRNA metabolism/Export, Transport and localization	N, C	26888	No	Q86V81	4	15.2
THO complex subunit 2 (THOC2)	mRNA metabolism/Splicing	N	182775	No	Q8NI27	4	2.6
Eukaryotic translation elongation factor 1 gamma (eEF1G)	Translation/Elongation	C	50119	No	P26641	4	11.7

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26S protease regulatory subunit S10B (PSMC6)	Protein processing/Ubiquitination (UPS)	C	44173	No	P62333	3	10.3
40S ribosomal protein S2 (RPS2)	Translation/Ribosomes	C	31324	No	P15880	3	12.3
60 kDa heat shock protein	Protein processing/Folding	C	61055	Yes	P10809	3	8.6
60S ribosomal protein L14 (RPL14)	Translation/Ribosomes	C	23432	No	P50914	3	18.3
60S ribosomal protein L17 (RPL17)	Translation/Ribosomes	C	21397	No	P18621	3	16.3
60S ribosomal protein L18 (RPL18)	Translation/Ribosomes	C	21634	No	Q07020	3	19.7
60S ribosomal protein L19 (RPL19)	Translation/Ribosomes	C	23466	No	P84098	3	13.8
60S ribosomal protein L8 (RPL8)	Translation/Ribosomes	C	28025	No	P62917	3	10.9
ADP-ribosylation factor 5 (ARF5)	Vesicular/Protein transport	TGN, ER	20,530	No	P84085	3	11.7
Aspartyl-tRNA synthetase (DARS)	Translation/Aminoacylation	C	57136	No	P14868	3	10.2
ATP synthase subunit gamma, mitochondrial (ATP5C1)	Ion transport	Mit	32996	No	P36542	3	11.1
Glutamine-dependent carbamoyl-phosphate synthase (CAD)	Metabolism/Pyrimidine biosynthesis	C	242984	No	P27708	3	1.6
CDP-diacylglycerol--inositol 3-phosphatidyltransferase (CDIPT)	Metabolism/Lipids	ER, TGN, C	23539	No	O14735	3	9.9
Cleavage and polyadenylation specificity factor (NUDT21)	mRNA metabolism/ 3'-processing	N	26227	No	O43809	3	18.5
Dolichyl-diphosphooligosaccharide--protein glycosyltransferase 48 kDa (DDOST)	Protein processing/N-linked glycosylation	ER, Mem	50801	No	P39656	3	6.8
EIF3A protein	Translation/Initiation	C, R	96864	No	Q7Z5T5	3	4.9
Elongation factor 1-delta (eF1D)	Translation/Elongation	C	31122	No	P29692	3	17.1
Glycogen phosphorylase (PYGL)	Metabolism/Carbohydrates	C	97149	No	P06737	3	4.3
Heterogeneous nuclear ribonucleoprotein A0 (hnRNPA0)	mRNA metabolism/hnRNPs	N, C	30841	No	Q13151	3	17.4
Heterogeneous nuclear ribonucleoprotein H3 (hnRNP H3)	mRNA metabolism/hnRNPs	N	36926	No	P31942	3	14.5
Heterogeneous nuclear ribonucleoprotein K (hnRNP K)	mRNA metabolism/hnRNPs	N, C	50976	No	P61978	3	9.9
Heterogeneous nuclear ribonucleoprotein Q (hnRNP Q)	mRNA metabolism/hnRNPs	C, N, ER	69603	No	O60506	3	10.3
Insulin-like growth factor II mRNA binding protein-3	mRNA metabolism/Export, Transport and localization	C, N	64008	No	O00425	3	7
Isocitrate dehydrogenase 3 (NAD+) alpha (IDH3A)	Metabolism/Carbohydrates	Mit	39592	No	P50213	3	10.1
Isoleucyl-tRNA synthetase	Translation/Aminoacylation	C	144498	No	P41252	3	2.4
Leucine-rich repeat-containing protein 59 (LRRC59)	Other/Membrane organization	ER, Mem	34930	No	Q96AG4	3	16
Mannosyl-oligosaccharide glucosidase (MOGS)	Protein processing/N-linked glycosylation	ER	91918	No	Q13724	3	5.4
Nef	Viral proteins	PM, C	23305	Yes	P05855	3	16
NF-kappaB repressing factor (NRF)	mRNA metabolism/Transcription	N	77574	No	A3F768	3	5.1
Probable ATP-dependent RNA helicase (DDX23)	mRNA metabolism/Helicase	N, Spl	95583	No	Q9BUQ8	3	4.3
Protein tyrosine phosphatase-like protein (PTPLAD1)	Signaling	Mem	43160	No	Q9P035	3	16.5
Pyruvate dehydrogenase E1 component subunit beta (PDHB)	Metabolism/Carbohydrates	Mit	39233	No	P11177	3	12.3
Scaffold attachment factor B1 (SAFB)	mRNA metabolism/Transcription	N	102642	No	Q15424	3	5.4
Signal recognition particle 68 (SRP68)	Vesicular/Protein transport	ER, C	70730	No	Q9UHB9	3	7.8
Signal recognition particle receptor subunit beta (SRPRB)	Vesicular/Protein transport	ER	29702	No	Q9Y5M8	3	15.5
Spectrin alpha chain (SPTAN1)	Cytoskeleton	C	284539	No	Q13813	3	3.1
Spliceosome RNA helicase (BAT1)	mRNA metabolism/Export, Transport and localization	N, Spl	48991	No	Q13838	3	8.2
Splicing factor 3B subunit 4 (SAP49)	mRNA metabolism/Splicing	N, Spl	44386	No	Q15427	3	14.4
Splicing factor, arginine/serine-rich 13A (SFRS13A)	mRNA metabolism/Splicing	C, N	31301	No	O75494	3	18.6
Vesicle-fusing ATPase (NSF)	Vesicular/Protein transport	C, TGN, ER	82594	No	P46459	3	5.1
26S proteasome non-ATPase regulatory subunit 2	Protein processing/Ubiquitination (UPS)	C, N	100200	Yes	Q13200	2	3.8
60S ribosomal protein L24 (RPL24)	Translation/Ribosomes	C	17779	No	P83731	2	8.3
60S ribosomal protein L29 (RPL29)	Translation/Ribosomes	C	17752	No	P47914	2	10.1
60S ribosomal protein L9 (RPL9)	Translation/Ribosomes	C	21863	No	P32969	2	5.7
7-dehydrocholesterol reductase (DHCR7)	Metabolism/Lipids	ER	54489	No	Q9UBM7	2	6.9
Actin-related protein 2/3 complex subunit 4	Cytoskeleton	C	19536	Yes	P59998	2	11.3
ADP-ribosylation factor 6 (ARF6)	Vesicular/Protein transport	TGN, Mem	20082	No	P62330	2	12
ATP-citrate synthase (ACLY)	Metabolism/Lipids	C	120839	No	P53396	2	2.6
Coatomer subunit zeta-1 (COPZ1)	Vesicular/Protein transport	TGN, C, ER	20198	No	P61923	2	11.9
E3 ubiquitin-protein ligase (BRE1A)	Protein processing/Ubiquitination (UPS)	N	113662	No	Q5VTR2	2	3.7
Gag	Viral proteins	PM, C, Vir	55819	Yes	P12493	2	6
Gag-Pol	Viral proteins	PM, C, Vir	161690	Yes	P12497	2	6
Heterogeneous nuclear ribonucleoprotein D0 (AUF1)	mRNA metabolism/Stability and decay	N, C	38434	No	Q14103	2	7.9
Heterogeneous nuclear ribonucleoprotein F (hnRNP F)	mRNA metabolism/hnRNPs	N, Spl	45672	No	P52597	2	12

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Heterogeneous nuclear ribonucleoprotein H2	mRNA metabolism/hnRNPs	N	49264	No	P55795	2	20
HIV-1 Rev-binding protein 2 (hRIP)	Vesicular/Protein transport	C, ER, G, N	43665	No	Q13601	2	6.8
Importin-7	Other/Nucleocytoplasmic transport of proteins	C, N	120751	No	O95373	2	2
Nuclear pore complex protein 155 (Nup155)	Other/Nucleocytoplasmic transport of proteins	NPC	155199	No	O75694	2	2
Pentatricopeptide repeat domain 3 (PTCD3)	Other/Mitochondrial translation	Mit	78550	No	Q96EY7	2	3
Peroxiredoxin-6	Metabolism/Lipids	C	24904	Yes	P30041	2	13.4
Peroxisomal multifunctional enzyme type 2 (HSD17B4)	Metabolism/Lipids	Px	79686	No	P51659	2	8.3
Poly(rC)-binding protein 1	mRNA metabolism/Export, Transport and localization	N	37498	Yes	Q15365	2	6.7
Polyadenylate-binding protein 4 (PABPC4)	Translation/Initiation	C	70783	No	Q13310	2	12.5
Pre-mRNA 3'-end-processing factor FIP1 (FIP1L1)	mRNA metabolism/ 3'-processing	N	66526	No	Q6UN15	2	13.4
Probable ATP-dependent RNA helicase (DDX27)	mRNA metabolism/Helicase	N	89835	No	Q96GQ7	2	5.9
Protein transport protein Sec61 subunit alpha isoform 1 (SEC61A1)	Vesicular/Protein transport	ER, Mem	52265	No	P61619	2	4.6
Putative RNA-binding protein Luc7-like 2	mRNA metabolism/Splicing	N	46514	No	Q9Y383	2	6.5
Ribonucleoprotein PTB-binding 1	mRNA metabolism/Splicing	N, C	63877	No	Q8IY67	2	7.1
Serpin H1 (HSP 47)	Protein processing/Ubiquitination (UPS)	ER, TGN	46441	No	P50454	2	6.5
TAR DNA-binding protein 43 (TDP-43)	mRNA metabolism/Export, Transport and localization	N, C	44740	No	Q13148	2	7.2
T-complex protein 1 subunit D (Stimulator of TAR RNA-binding)	Protein processing/Folding	C	57924	No	P50991	2	11.6
T-plastin polypeptide (plastin-3)	Cytoskeleton	C	64281	Yes	P13797	2	4
Zinc finger RNA-binding protein (ZFR)	Other/Nucleocytoplasmic shuttling of STAU2	C, N	117012	No	Q96KR1	2	3.4
ADP-ribosylation factor-like protein 1 (ARL1)	Vesicular/Protein transport	TGN	20418	Yes	P40616	1	6.1
AP-2 complex subunit mu (AP2M1)	Vesicular/Protein transport	PM, Mem	49655	No	Q96CW1	1	2.3
AP-3 complex subunit delta-1 (AP3D1)	Vesicular/Protein transport	TGN, Mem, C	130158	No	O14617	1	1.3
AP-3 complex subunit sigma-1 (AP3S1)	Vesicular/Protein transport	TGN, Mem, C	21732	No	Q92572	1	5.7
Calnexin (CANX)	Protein processing/Folding	ER, C	67568	No	P27824	1	1.7
Copine-3	Other/Membrane organization	PM	60130	Yes	O75131	1	3
Double-stranded RNA-specific adenosine deaminase (ADAR)	mRNA metabolism/Stability and decay	C, N	135967	No	P55265	1	1.6
Dynamin-2 (DNM2)	Vesicular/Protein transport	C, Mem	98064	No	P50570	1	3.1
Eukaryotic initiation factor 4A-III	Translation/Initiation	C, N	46871	No	P38919	1	2.4
Eukaryotic translation initiation factor 3 subunit E (eIF3E)	Translation/Initiation	C, N	52221	No	P60228	1	2.2
Filamin-A	Cytoskeleton	C	280759	Yes	P21333	1	1
Heat shock 70 kDa protein 1	Protein processing/Folding	C	70052	Yes	P08107	1	12.7
Heat shock 70 kDa protein 1L	Protein processing/Folding	C	70375	Yes	P34931	1	8.1
Heterogeneous nuclear ribonucleoprotein A/B	mRNA metabolism/hnRNPs	N, C	36225	No	Q99729	1	4.2
Lactate dehydrogenase A (LDHA)	Metabolism/Carbohydrates	C	36689	No	P00338	1	3
Lysozyme C	Other/Bacteriolytic function	C	16537	Yes	P61626	1	8.1
Phosphatidylserine synthase 1 (PTDSS1)	Metabolism/Lipids	Mem	55528	No	P48651	1	2.7
Polyadenylate-binding protein 2 (PABPN1)	mRNA metabolism/ 3'-processing	N, C	32749	No	Q86U42	1	3.6
Putative helicase MOV-10	mRNA metabolism/Stability and decay	C, PBs	113671	Yes	Q9HCE1	1	1.1
Ras-related GTP-binding protein A (RRAGA)	Apoptosis	C	36566	No	Q7L523	1	2.7
Ras-related protein Rab-10	Vesicular/Protein transport	PM	22541	Yes	P61026	1	5.5
Ras-related protein Rab-5C	Vesicular/Protein transport	PM	23483	Yes	P51148	1	5.1
Ras-related protein Rab-8A	Vesicular/Protein transport	PM	23668	Yes	P61006	1	6.8
Regulator of nonsense transcripts 3B (UPF3B)	mRNA metabolism/Stability and decay	C	57762	No	Q9BZ17	1	2.3
Splicing factor, arginine/serine-rich 4 (SFRS4)	mRNA metabolism/Splicing	N	56678	No	Q08170	1	4.9
T-complex protein 1 subunit beta	Protein processing/Folding	C	57357	Yes	P78371	1	3.7
Tubulin alpha-4A chain	Cytoskeleton	C	49924	Yes	P68366	1	10.1
V-type proton ATPase subunit d 1	Vesicular/Protein transport	C, PM	40329	Yes	P61421	1	14.8