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gene name	gene description	uniprot id	empai	gene name	gene description	uniprot id	empai
ATP1A1 *	Sodium/potassium-transporting ATPase subunit alpha-1	AT1A1_HUMAN	3,79	MTHFD1	C-1-tetrahydrofolate synthase, cytoplasmic	C1TC_HUMAN	0,62
HSPA8 *	Heat shock cognate 71 kDa protein	HSP7C_HUMAN	2,97		cDNA FLJ42590 fis, clone BRACE3009708	B3KW93_HUMAN	0,62
ACTB *	Actin, cytoplasmic 1	ACTB_HUMAN	2,96	TFRC	Transferrin receptor protein 1	TFR1_HUMAN	0,60
RPS27A	Ubiquitin	UBIQ_HUMAN	2,75	PTGFRN	PTGFRN protein (Fragment)	Q4QQP8_HUMAN	0,57
BASP1	Brain acid soluble protein 1	BASP1_HUMAN	2,74	TLN1	Talin-1	TLN1_HUMAN	0,56
MSN *	Moesin	MOES_HUMAN	2,70	SCRIB	Protein scribble homolog	SCRIB_HUMAN	0,55
MARCKS *	Myristoylated alanine-rich C-kinase substrate	MARCS_HUMAN	2,14	KPNB1	Importin subunit beta-1	IMB1_HUMAN	0,55
SLC3A2 *	4F2 cell-surface antigen heavy chain	4F2_HUMAN	2,08	NCKAP1	Nck-associated protein 1	NCKP1_HUMAN	0,53
RDX	Radinix	RADI_HUMAN	1,79	CKB	Creatine kinase B-type	KCRB_HUMAN	0,53
EZR *	Ezrin	EZRI_HUMAN	1,64	RAP1A	Ras-related protein Rap-1A	RAP1A_HUMAN	0,52
HSPA1A	Heat shock 70 kDa protein 1A/1B	HSP71_HUMAN	1,61	PDIA4	Protein disulfide-isomerase A4	PDIA4_HUMAN	0,52
HSP90AB1 *	Heat shock protein HSP 90-beta	HS90B_HUMAN	1,60	CTNND1	Putative uncharacterized protein CTNND1	C9JZR2_HUMAN	0,52
*	cDNA FLJ54408	B4E3B6_HUMAN	1,60	YWHAE *	14-3-3 protein epsilon	1433E_HUMAN	0,51
Slc7a1 *	High affinity cationic amino acid transporter 1	CTR1_MOUSE	1,58	PRDX2	Peroxioredoxin-2	PRDX2_HUMAN	0,50
IQGAP1	Ras GTPase-activating-like protein IQGAP1	IQGA1_HUMAN	1,57	ITGB1	Integrin beta-1	ITB1_HUMAN	0,50
HSP90AA1 *	Heat shock protein HSP 90-alpha	HS90A_HUMAN	1,56	PRDX1	Peroxioredoxin-1	PRDX1_HUMAN	0,50
HSPA5	78 kDa glucose-regulated protein	GRP78_HUMAN	1,43	PTGFRN	Prostaglandin F2 receptor negative regulator	FPRP_HUMAN	0,50
ANXA6	Annexin A6, isoform CRA_c	A8NN80_HUMAN	1,34	SLC12A2	Solute carrier family 12 member 2	S12A2_HUMAN	0,49
G *	Glycoprotein G (Fragment)	VGLG_VSIVM	1,29	CTNND1	Catenin delta-1	CTND1_HUMAN	0,49
MYO1C *	Myosin-1c	MYO1C_HUMAN	1,29	UBA1	Ubiquitin-like modifier-activating enzyme 1	UBA1_HUMAN	0,48
VCL	Vinculin	VINC_HUMAN	1,27	CYFIP1	Cytoplasmic FMR1-interacting protein 1	CYFP1_HUMAN	0,46
EPB41L2 *	Band 4.1-like protein 2	E41L2_HUMAN	1,20	HSPH1	Heat shock protein 105 kDa	HS105_HUMAN	0,46
CTNNA1	Catenin alpha-1	CTNA1_HUMAN	1,08	GNAI2	Guanine nucleotide-binding protein G(i) subunit alpha-2	GNAI2_HUMAN	0,45
MYH9	Myosin-9	MYH9_HUMAN	1,02	TUBA4A	Tubulin alpha-4A chain	TBA4A_HUMAN	0,44
ANXA2 *	Annexin A2	ANXA2_HUMAN	1,02	TUBA1B	Tubulin alpha-1B chain	TBA1B_HUMAN	0,44
EEF2 *	Elongation factor 2	EF2_HUMAN	1,02	STXBP3	Syntaxin-binding protein 3	STXB3_HUMAN	0,43
SLC1A5	Neutral amino acid transporter B(0)	AAAT_HUMAN	1,01	HSPA4L	Heat shock 70 kDa protein 4L	H574L_HUMAN	0,43
HSP90B1	Endoplasmic	ENPL_HUMAN	1,01		cDNA FLJ53381, highly similar to Monocarboxylate transporter 1	B4DKS0_HUMAN	0,42
HSPA4	Heat shock 70 kDa protein 4	HSP74_HUMAN	0,97	ATP1B1	Sodium/potassium-transporting ATPase subunit beta-1	AT1B1_HUMAN	0,41
JUP	Junction plakoglobin	PLAK_HUMAN	0,96	SLC16A1	Monocarboxylate transporter 1	MOT1_HUMAN	0,40
MYO1B	Myosin-1b	MYO1B_HUMAN	0,91	CYFIP2	Cytoplasmic FMR1 interacting protein 2, isoform CRA_b	D3DDQ3_HUMAN	0,40
DRIP4	Dopamine receptor interacting protein 4	Q4W4Y1_HUMAN	0,89	KIF23	Kinesin-like protein KIF23	KIF23_HUMAN	0,40
	cDNA FLJ52405, highly similar to Myosin 1c	B7Z9C0_HUMAN	0,87	CLIC1	Chloride intracellular channel protein 1	CLIC1_HUMAN	0,39
	cDNA FLJ46689 fis, clone TRACH3012106	B3KY28_HUMAN	0,85	IGSF8	Immunoglobulin superfamily member 8	IGSF8_HUMAN	0,39
CTNNB1	Catenin beta-1	CTNB1_HUMAN	0,83	PYGL	Glycogen phosphorylase, liver form	PYGL_HUMAN	0,37
HBA1	Hemoglobin subunit alpha	HBA_HUMAN	0,78	TUBB4	Tubulin beta-4 chain	TBB4_HUMAN	0,36
MYH10	Myosin-10	MYH10_HUMAN	0,78	TUBB	Tubulin beta chain	TBB5_HUMAN	0,36
PKM2	Pyruvate kinase isozymes M1/M2	KPYM_HUMAN	0,78	CSE1L	Exportin-2	XPO2_HUMAN	0,36
	cDNA FLJ54004	B4DJ76_HUMAN	0,77	ACLY	ATP-citrate synthase	ACLY_HUMAN	0,36
FLNA *	Filamin-A	FLNA_HUMAN	0,75	EEF1A1	Elongation factor 1-alpha 1	EF1A1_HUMAN	0,35
VCP	Transitional endoplasmic reticulum ATPase	TERA_HUMAN	0,73	PLS3	Plastin-3	PLST_HUMAN	0,35
MYO1D	Myosin-1d	MYO1D_HUMAN	0,69	MLLT4	Afadin	AFAD_HUMAN	0,35
ENO1 *	Alpha-enolase	ENOA_HUMAN	0,67	GNAI3 *	Guanine nucleotide-binding protein G(k) subunit alpha	GNAI3_HUMAN	0,35
CLTC *	Clathrin heavy chain 1	CLH1_HUMAN	0,67	DSG1	Desmoglein-1	DSG1_HUMAN	0,34
DCD	Dermcidin	DCD_HUMAN	0,66	ATP2B4	Plasma membrane calcium-transporting ATPase 4	AT2B4_HUMAN	0,33
ATP2B1	Plasma membrane calcium-transporting ATPase 1	AT2B1_HUMAN	0,66	ATP1B3	Sodium/potassium-transporting ATPase subunit beta-3	AT1B3_HUMAN	0,33
ACTN1	Alpha-actinin-1	ACTN1_HUMAN	0,66	PLXNB2	Plexin-B2	PLXB2_HUMAN	0,33
FASN *	Fatty acid synthase	FAS_HUMAN	0,66	SCARB1	SCARB1 protein	B7ZKQ9_HUMAN	0,33
NPEPPS	Puromycin-sensitive aminopeptidase	PSA_HUMAN	0,65	PI4KA	Phosphatidylinositol 4-kinase alpha	PI4KA_HUMAN	0,32
BSG *	Basigin	BASI_HUMAN	0,65	IPO5	Importin-5	IPOS_HUMAN	0,31

b

Term	Count	p-value
GO:0048770~pigment granule	20	1,12E-021
GO:0042470~melanosome	20	1,12E-021
GO:0005829~cytosol	37	3,62E-012
GO:0016023~cytoplasmic membrane-bounded vesicle	24	6,72E-011
GO:0031988~membrane-bounded vesicle	24	9,82E-011
GO:0031410~cytoplasmic vesicle	24	9,61E-010
GO:0031982~vesicle	24	1,89E-009
GO:0070161~anchoring junction	11	7,06E-006
GO:0015629~actin cytoskeleton	13	6,37E-006
GO:0031252~cell leading edge	10	8,72E-006
GO:0005912~adherens junction	10	2,10E-005
GO:0016323~basolateral plasma membrane	11	2,07E-005
GO:0005856~cytoskeleton	26	4,69E-005
GO:0042995~cell projection	18	5,49E-005
GO:0005886~plasma membrane	46	1,24E-004
GO:0005938~cell cortex	8	8,33E-004
GO:0044459~plasma membrane part	31	8,31E-004
GO:0044445~cytosolic part	8	9,49E-004