

Table 8

<u>Gene name</u>	<u>Clone title</u>	<u>Present (P)/Absent (A) in mouse GIST</u>
CTSL	cathepsin L	P
TMSB4X	Homo sapiens cDNA FLJ31414 fis, clone NT2NE2000260, weakly similar	P
HRASLS3	HRAS-like suppressor 3	P
EEF2K	elongation factor-2 kinase	P
C21orf6	chromosome 21 open reading frame 6	A
SPARCL1	SPARC-like 1 (mast9, hevin)	P
KIT	v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog	P
AMPD3	adenosine monophosphate deaminase (isoform E)	P
IGF2	Homo sapiens cDNA: FLJ22066 fis, clone HEP10611	P
ARPC1B	actin related protein 2/3 complex, subunit 1B, 41kDa	P
CBR1	carbonyl reductase 1	P
MGLL	monoglyceride lipase	P
BMP4	bone morphogenetic protein 4	P
COL6A1	collagen, type VI, alpha 1	P
SMTN	smoothelin	P
PLAT	plasminogen activator, tissue	P
FHL2	four and a half LIM domains 2	P
FKBP10	FK506 binding protein 10, 65 kDa	P
PRKCZ	protein kinase C, zeta	P
GYG	glycogenin	P
FADS2	fatty acid desaturase 2	P
PAPSS2	3'-phosphoadenosine 5'-phosphosulfate synthase 2	P
PRKCQ	protein kinase C, theta	P
TBL1X	transducin (beta)-like 1X-linked	P
NBL1	neuroblastoma, suppression of tumorigenicity 1	P
ITGA4	integrin, alpha 4 (antigen CD49D, alpha 4 subunit of VLA-4 receptor)	A
PCAF	p300/CBP-associated factor	P
GYPC	glycophorin C (Gerbich blood group)	P
PTPN12	protein tyrosine phosphatase, non-receptor type 12	P
TCIRG1	T-cell, immune regulator 1, ATPase, H+ transporting, lysosomal V0 protein	P
GHR	growth hormone receptor	P
IFITM3	interferon induced transmembrane protein 3 (1-8U)	P
INPP1	inositol polyphosphate-1-phosphatase	P
PFN1	profilin 1	P
TARBP2	TAR (HIV) RNA binding protein 2	P
LYN	v-yes-1 Yamaguchi sarcoma viral related oncogene homolog	P
ROCK2	Rho-associated, coiled-coil containing protein kinase 2	A
ADMR	adrenomedullin receptor	P
XPR1	xenotropic and polytropic retrovirus receptor	P
SMARCA1	SWI/SNF related, matrix associated, actin dependent regulator of chromatin	P
BMPR2	bone morphogenetic protein receptor, type II (serine/threonine kinase)	A
MAPK10	mitogen-activated protein kinase 10	A
MANBA	mannosidase, beta A, lysosomal	P
SFRP1	secreted frizzled-related protein 1	P
BCHE	butyrylcholinesterase	A
LOXL2	lysyl oxidase-like 2	A
FBXO3	F-box only protein 3	P
FLJ10853	hypothetical protein FLJ10853	A
CSTF1	cleavage stimulation factor, 3' pre-RNA, subunit 1, 50kDa	P
RPS29	ESTs	P

NFKB1	nuclear factor of kappa light polypeptide gene enhancer in B-cells 1 (p105)	P
SNAPC3	small nuclear RNA activating complex, polypeptide 3, 50kDa	P
BAALC	brain and acute leukemia, cytoplasmic	P
TBK1	TANK-binding kinase 1	P
TSBP	likely ortholog of mouse TPR-containing, SH2-binding phosphoprotein	P
DPP4	dipeptidylpeptidase IV (CD26, adenosine deaminase complexing protein 2)	A
PENK	proenkephalin	A
DAP	death-associated protein	P
GUCY1A3	guanylate cyclase 1, soluble, alpha 3	P
CD81	CD81 antigen (target of antiproliferative antibody 1)	P
KPNA2	karyopherin alpha 2 (RAG cohort 1, importin alpha 1)	P
DT1P1A10	hypothetical protein DT1P1A10	P
TMEM2	transmembrane protein 2	P
CXX1	CAAX box 1	P
SPS2	selenophosphate synthetase 2	P
ITM3	integral membrane protein 3	P
EGLN2	egl nine homolog 2 (C. elegans)	P
PRKG1	protein kinase, cGMP-dependent, type I	P
FBN1	fibrillin 1 (Marfan syndrome)	P
MRPL38	mitochondrial ribosomal protein L38	P
GUK1	guanylate kinase 1	P
ADSS	adenylosuccinate synthase	P
ATP1B2	ATPase, Na ⁺ /K ⁺ transporting, beta 2 polypeptide	A
CAPZB	capping protein (actin filament) muscle Z-line, beta	P
GALK1	galactokinase 1	P
STIM1	stromal interaction molecule 1	P
APLP1	amyloid beta (A4) precursor-like protein 1	P
ARHGAP1	Rho GTPase activating protein 1	P
PHLDA1	pleckstrin homology-like domain, family A, member 1	P
PBX3	Homo sapiens cDNA FLJ34829 fis, clone NT2NE2009426, highly similar t	A
NFE2L1	nuclear factor (erythroid-derived 2)-like 1	P
NDUFA2	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 2, 8kDa	P
VIL2	villin 2 (ezrin)	P
CD151	CD151 antigen	P
KHK	ketoheksokinase (fructokinase)	P
DUSP6	dual specificity phosphatase 6	P
APC7	anaphase-promoting complex subunit 7	P
RAB27A	RAB27A, member RAS oncogene family	A
NR2F6	nuclear receptor subfamily 2, group F, member 6	P
GNG2	guanine nucleotide binding protein (G protein), gamma 2	P
NDUFB7	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 7, 18kDa	P
UQCR	ubiquinol-cytochrome c reductase (6.4kD) subunit	P
ORM2	orosomuroid 2	A
PSMB6	proteasome (prosome, macropain) subunit, beta type, 6	P
OAZ1	ESTs, Highly similar to 2102231B Orn decarboxylase antizyme [Homo sap	P
TK1	thymidine kinase 1, soluble	A
SGNE1	secretory granule, neuroendocrine protein 1 (7B2 protein)	P
RGS19IP1	regulator of G-protein signalling 19 interacting protein 1	P
LGALS8	lectin, galactoside-binding, soluble, 8 (galectin 8)	P
OASIS	old astrocyte specifically induced substance	A
AES	amino-terminal enhancer of split	P
ABHD3	abhydrolase domain containing 3	A
SP100	nuclear antigen Sp100	P
PICALM	phosphatidylinositol binding clathrin assembly protein	P
MCP	membrane cofactor protein (CD46, trophoblast-lymphocyte cross-reactive ε	A

COX6A1	cytochrome c oxidase subunit VIa polypeptide 1	P
IDH1	isocitrate dehydrogenase 1 (NADP+), soluble	P
NUBP1	nucleotide binding protein 1 (MinD homolog, E. coli)	P
SRI	sorcin	P
CABYR	calcium-binding tyrosine-(Y)-phosphorylation regulated (fibrousheathin 2)	A
ATP5B	ATP synthase, H+ transporting, mitochondrial F1 complex, beta polypeptide	P
DLL1	delta-like 1 (Drosophila)	P
RAB28	RAB28, member RAS oncogene family	P
DCLRE1A	DNA cross-link repair 1A (PSO2 homolog, S. cerevisiae)	P
CACNA1D	calcium channel, voltage-dependent, L type, alpha 1D subunit	P
GCC1	golgi coiled coil 1	P
TCF21	transcription factor 21	P
NDUFA7	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 7, 14.5kDa	P
MYOC	myocilin, trabecular meshwork inducible glucocorticoid response	A
NDUFA9	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 9, 39kDa	P
CA2	carbonic anhydrase II	P
RAB2	RAB2, member RAS oncogene family	P
ATP6V0E	ATPase, H+ transporting, lysosomal 9kDa, V0 subunit e	P
SNTG1	syntrophin, gamma 1	A
HDAC7A	histone deacetylase 7A	P
OXR1	oxidation resistance 1	P
NOL1	nucleolar protein 1, 120kDa	P
ITPKB	inositol 1,4,5-trisphosphate 3-kinase B	P
AP2S1	adaptor-related protein complex 2, sigma 1 subunit	P
LAMP1	lysosomal-associated membrane protein 1	P
COX5B	cytochrome c oxidase subunit Vb	P
TNFSF12	tumor necrosis factor (ligand) superfamily, member 12	P
VEGFB	vascular endothelial growth factor B	P
NEK7	NIMA (never in mitosis gene a)-related kinase 7	P
GNB4	guanine nucleotide binding protein beta subunit 4	P
CETN3	centrin, EF-hand protein, 3 (CDC31 homolog, yeast)	P
NDUFB2	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 2, 8kDa	P
ATBF1	AT-binding transcription factor 1	P
S100A1	S100 calcium binding protein A1	P
SLC26A6	solute carrier family 26, member 6	A
SPRR2A	small proline-rich protein 2A	P
ARL1	ADP-ribosylation factor-like 1	A
ATP6V1H	ATPase, H+ transporting, lysosomal 50/57kDa, V1 subunit H	P
SLC29A1	solute carrier family 29 (nucleoside transporters), member 1	P
MRPL34	mitochondrial ribosomal protein L34	P
SLC25A13	solute carrier family 25, member 13 (citrin)	A
PEG10	paternally expressed 10	A
COPE	coatamer protein complex, subunit epsilon	P
PTPRN2	protein tyrosine phosphatase, receptor type, N polypeptide 2	A
COL11A2	collagen, type XI, alpha 2	A
APLP2	amyloid beta (A4) precursor-like protein 2	P
MIR16	membrane interacting protein of RGS16	P
FLJ12770	hypothetical protein FLJ12770	A
SERPINB9	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 9	P
SGCE	sarcoglycan, epsilon	P
POLR2C	polymerase (RNA) II (DNA directed) polypeptide C, 33kDa	P
DC13	DC13 protein	P
UBQLN2	ubiquilin 2	P
STAM2	signal transducing adaptor molecule (SH3 domain and ITAM motif) 2	P
PANX1	pannexin 1	P

ETV5	ets variant gene 5 (ets-related molecule)	P
SMPD1	sphingomyelin phosphodiesterase 1, acid lysosomal (acid sphingomyelinase)	P
HAGH	hydroxyacyl glutathione hydrolase	P
CYP27A1	cytochrome P450, subfamily XXVIIA (steroid 27-hydroxylase, cerebrotend	P
EPN2	epsin 2	P
CHPT1	choline phosphotransferase 1	P
TCF21	transcription factor 21	P
TSG	twisted gastrulation	P
TCEB2	transcription elongation factor B (SIII), polypeptide 2 (18kDa, elongin B)	P
MAGEB2	melanoma antigen, family B, 2	A
CKAP4	cytoskeleton-associated protein 4	P
ATP2A3	ATPase, Ca ⁺⁺ transporting, ubiquitous	P
TTC1	tetratricopeptide repeat domain 1	P