

Product datasheet for TP723415

SLIT2 (NM_004787) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human slit homolog 2 (Drosophila) (SLIT2).
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	QACPAQCSCS GSTVDCHGLA LRSVPRNIPR NTERLDLNGN NITRITKTFD AGLRHRLVLQ LMENKISTIE RGAFAQDLKEL ERLRLNRNHL QLFPELLFLG TAKLYRLDLS ENQIQAI PRK AFRGAVDIKN LQLDYNQISC IEDGAFRALR DLEVLTNNN NITRLSVASF NHMPKLRTR LHSNNLYCDC HLAWLSDWLR QRPRVGLYTQ CMGPSHLRGH NVAEVQKREF VCSGHQSFMA PSCSVLHCPA ACTCSNNIVD CRGKGLTEIP TNLPETITEI RLEQNTIKVI PPGAFSPYKK LRRIDLSNNQ ISELAPDAFQ GLRSLNSLVL YGNKITELPK SLFEGFLSLQ LLLLNANKIN CLRVD AFQDL HNLNLLSLYD NKLQTIAGKT FSPLRAIQTM HLAQNPFICD CHLKWLADYL HTNPIETSGA RCTSPRRLAN KRIGQIKSKK FRCSAKEQYF IPGTEDYRSK LSGDCFADLA CPEKCRCEGT TVDCSNQKLN KIPEHIPQYT AELRLNNEF TVLEATGIFK KLPQLRKINF SNNKITDIEE GAFEGASGVN EILLTSNRLE NVQHMKFKGL ESLKTLMLRS NRITCVGNDS FIGLSSVRL SLYDNQITTV APGAFDTLHS LSTLNLLANP FNCNCYLAWL GEWLRRKRIV TGNPRCQKPY FLKEIQDV AIQDFTCCDDG NDDNSCSPLS RCPTTECTLD TVVRC SNKGL KVLPGKIPRD VTELYLDGNQ FTLVPKELSN YKHLTLIDLS NNRISTLSNQ SFSNMTQLLT LILSYNRLRC IPPRTFDGLK SLRLLSLHGN DISVPEGAF NDLSALSHLA IGANPLYCDC NMQWLSDWVK SEYKEPGIAR CAGPGEMADK LLLTTPSKKF TCQGPVDVNI LAKCNPCLSN PCKNDGTCNS DPVDFYRCTC PYGFKGQDCD VPIHACISNP CKHGGTCHLK EGEEEDGFWC CADGFEGENC EVNVDDCEDN DCENNSTCVD GINNYTCLCP PEYTGELCEE KLD FCAQDLN PCQHDSKIL TPKGFKDCT PGYVGEHCDI DFDDCQDNKC KNGAHCTDAV NGYTCICPEG YSGLFCEFS PMV
Tag:	Tag Free
Predicted MW:	120 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Lyophilized from a 0.2 μM filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2
Bioactivity:	Determined by its ability to inhibit MC3T3/E1 osteoblasts cell differentiation.
Endotoxin:	Endotoxin level is < 0.1 ng/μg of protein (< 1 EU/μg)
Storage:	Store at -80°C.



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Stability: Stable for at least 6 months from date of receipt under proper storage and handling conditions.

RefSeq: [NP_004778](#)

Locus ID: 9353

UniProt ID: [O94813](#)

RefSeq Size: 4950

Cytogenetics: 4p15.31

RefSeq ORF: 4587

Synonyms: SLIL3; Slit-2

Summary: This gene encodes a member of the slit family of secreted glycoproteins, which are ligands for the Robo family of immunoglobulin receptors. Slit proteins play highly conserved roles in axon guidance and neuronal migration and may also have functions during other cell migration processes including leukocyte migration. Members of the slit family are characterized by an N-terminal signal peptide, four leucine-rich repeats, nine epidermal growth factor repeats, and a C-terminal cysteine knot. Proteolytic processing of this protein gives rise to an N-terminal fragment that contains the four leucine-rich repeats and five epidermal growth factor repeats and a C-terminal fragment that contains four epidermal growth factor repeats and the cysteine knot. Both full length and cleaved proteins are secreted extracellularly and can function in axon repulsion as well as other specific processes. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2015]

Protein Families: Druggable Genome, Secreted Protein

Protein Pathways: Axon guidance

Product images:

