

Product datasheet for **TP320894**

SLIT2 (NM_004787) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Recombinant protein of human slit homolog 2 (Drosophila) (SLIT2), 20 µg
Species: Human
Expression Host: HEK293T
Expression cDNA Clone or AA Sequence: >RC220894 representing NM_004787
Red=Cloning site Green=Tags(s)

MRGVGWQMLSLSLGLVLAILNKVAPQACPAQCSCSGSTVDCHGLALRSVPRNIPRNTERLDLNGNNITRI
TKTDFAGLRHLRVLQLMENKISTIERGAFQDLKELERLRNRNHLQLPELLFLGTAKLYRLDSENQIQ
AIPRKAFRGAVDIKNLQLDYNQISCIEDGAFRALRDLEVLTLNANNITRLSVASFNHMPKLRTRFRLHSNN
LYCDCHLAWLSDWLRQRPRVGLYTQCMGPSHLRGHNVAEVQKREFVCSGHQSFMAPSCSVLHCPAACTCS
NNIVDCRGGKLTETIPTNLPETITEIRLEQNTIKVIPPGAFSPYKLRRIDLSNNQISELAPDAFQGLRSL
NSLVLYGNKITELPKSLFEGFLSLQLLLLNANKINCLRVDADFQDLHNLNLLSLYDNKLQTIAGKTFSPLR
AIQTMHLAQNPFCDCHLKWLADYLHTNPIETSGARCTSPRRLANKRIGQIKSKKFRCSAKEQYFIPGTE
DYRSKLSGDCFADLACPEKCRCEGTTVDCSNQKLNKIPEHIPQYTAELRNNNEFTVLEATGIFKLPQL
RKINFSNNKITDIEEGAFEGASGVNEILLTSNRLENVQHMKMFKGLESKLTMLRSNRITCVGNDSFIGLS
SVRLLSLYDNQITTVAPGAFDTLHSLSTLNLLANPNFCNCYLAWLGEWLRKKRIVTGNPRCQKPYFLKEI
PIQDVAIQDFTCDDGNDNSCSPSRCPTTECTCLDVTVRCSNKGLKVLPGKIPRDVTELYLDGNQFTLVP
KELSNYKHLTLIDLSNNRISTLSNQSFNMTQLLTLILSYNRLRCIPRPTFDGLKSLRLLSLHGNDISVV
PEGAFNDLSALSHLAIGANPLYCDCNMQWLSDWVKSEYKEPGIARCAGPGEMADKLLLTTPSKKFTCQGP
VDVNILAKCNPCLSNPCKNDGTCNSDPVDFYRCTCPYGFKGQDCDVPIHACISNPCKHGGTCHLKEGEED
GFWCICADGFEGENCEVNVDDCEDNDCENNSTCVDGINNYTCLCPPEYTGELCEVKLDFCAQDLNPCQHD
SKCILTPKGFKCDCTPGYVGEHCDIDFDDCQDNKCKNGAHCTDAVNGYTCICPEGYSGLFCEFSPPMVLV
RTSPCDNFDCQNGAQCVIRINEPICQCLPGYQGEKCEKLVSVNFINKESYLQIPSAKVRPQTNITLQIAT
DEDSGILLYKGDKDHIARELYRGRVRSYDTGSHPASAIYSVETINDGNFHVIVELLALDQSLSLSDVGGN
PKIITNLSKQSTLNFDSPLYVGGMPGKSNVSLRQAPGQNGTSFHGCIRNLYINSELQDFQKVPMTQIL
PGCEPCHKVCAHGTCQPSSQAGFTCECQEGWMLCDQRTNDPCLGNKCVHGTCLPINAFAFSYCKCLEG
HGGVLCDEEEDLFNPCQAIKCKHKGKRLSGLGQPYCECSSGYTGDSCDREISCRGERIRDYQKQGYAA
CQTTKKVSRLECRGGCAGGQCCGPLRSKRRKYSFECTDGSSFFVEVEKVVKCGCTRCVS

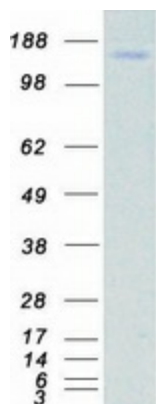
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK



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Predicted MW:	169.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_004778
Locus ID:	9353
UniProt ID:	O94813
RefSeq Size:	4950
Cytogenetics:	4p15.31
RefSeq ORF:	4587
Synonyms:	SLIL3; Slit-2
Summary:	<p>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]</p>
Protein Families:	Druggable Genome, Secreted Protein
Protein Pathways:	Axon guidance

Product images:

Coomassie blue staining of purified SLIT2 protein (Cat# TP320894). The protein was produced from HEK293T cells transfected with SLIT2 cDNA clone (Cat# [RC220894]) using MegaTran 2.0 (Cat# [TT210002]).