

Product datasheet for PH320894

SLIT2 (NM_004787) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	SLIT2 MS Standard C13 and N15-labeled recombinant protein (NP_004778)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC220894
Predicted MW:	169.7 kDa
Protein Sequence:	>RC220894 representing NM_004787 Red=Cloning site Green=Tags(s)

MRGVGWQMLSLSLGLVLAILNKVAPQACPAQCSCSGSTVDCHGLALRSVPRNIPRNTERLDLNGNNITRI
TKTDFAGLRHLRVLQLMENKISTIERGAFQDLKELERLRNRNHLQLFPELLFLGTAKLYRLDLSENQIQ
AIPRKAFRGAVDIKNLQLDYNQISCIEDGAFRALRDLEVLTLNNNNITRLSVASFNHMPKLRTRFLHSNN
LYCDCHLAWLSDWLRQRPRVGLYTQCMGPSHLRGHNVAEVQKREFVCSGHQSFMAPSCSVLHCPAACTCS
NNIVDCRGKGLTEIPTNLPETITEIRLEQNTIKVIPPQAFSPYKLRRIDLSNNQISELAPDAFQGLRSL
NSLVLYGNKITEPKSLFEGLFSLQLLLL NANKINCLRVDAFQDLHNLNLLSLYDNKLQTIAGKTFSPLR
AIQTMHLAQNPFI CDCHLKWADYLHTNPIETSGARCTSPRRLANKRIGQIKSKKFRCSAKEQYFIPGTE
DYRSKLSGDCFADLACPEKCRCEGTTVDSCSNQKLNKIPEHIPQYTAELRLNNEFTVLEATGIFKKLPQL
RKINFSNNKITDIEEGAFEGASGVNEILLTSNRLENVQHKMFKGLESKTLMLRSNRITCVGNDSFIGLS
SVRLLSLYDNQITTVAPGAFDTLHSLSTLNLLANPFCNCYLAWLGEWLRKKRIVTGNPRCQKPYFLKEI
PIQDVAIQDFTCDGNDNSCSPLSRCPTTECTCLDVTVVRCSNKGLKVLPKGIPRDVTELYLDGNQFTLVP
KELSNYKHLTLIDLNNRISTLSNQSFSNMTQLLTLILSYNRLRCIPRPTFDGLKSLRLLSLHGNDISVV
PEGAFNDLSALSHLAIGANPLYCDCNMQWLSDWVKSEYKEPGIARCAGPGEMADKLLLTTPSKKFTCQGP
VDVNILAKCNPCLSNPCKNDGTCNSDPVDFYRCTCPYGFKGQDCDVP IHACISNPCKHGGTCHLKEGEED
GFWICADGFEGENCEVNVDDCEDNDCENNSTCVDGINNYTCLCPPEYTGELCEVKLDFCAQDLNCPQHD
SKCILTPKGFKCDCTPGYVGEHCDIDFDDCQDNKCKNGAHCCTDAVNGYTCICPEGYSGLFCFSPPMVLP
RTSPCDFDCQNGAQCIVRINEPICQCLPGYQGEKCEKLVSVNFINKESYLQIPSAKVRPQTNITLQIAT
DEDSGILLYKGDKDHI AVELYRGRVRSYDTGSHPASAIYSVETINDGNFHVIVELLALDQSLSLSDVGGN
PKIITNLSKQSTLNFDSPLYVGGMPGKSNVASLRQAPGQNGTSFHGCI RNLYINSELQDFQKVPMTGIL
PGCEPCHKVCAHGTCQPSSQAGFTCECQEGWMPGLCDQRTNDPCLGNKCVHGTCLPINAFSYSCKCLEG
HGGVLCDEEEDL FNPCQAIKCKHGKCRLSGLGQPYCESSGYTGDSCDREISCRGERIRDYQKQGYAA
CQTTKKVSRL ECRGGCAGGQCCGPLRSKRKYSFECTDGSFVDEVEKVVKCGCTRCVS

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining



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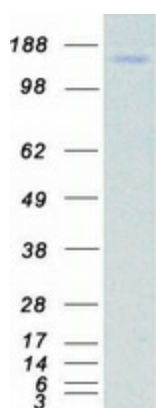
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_004778
RefSeq Size:	4950
RefSeq ORF:	4587
Synonyms:	SLIL3; Slit-2
Locus ID:	9353
UniProt ID:	O94813
Cytogenetics:	4p15.31

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:



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]).