

Product datasheet for **TP322057L**

Plexin A1 (PLXNA1) (NM_032242) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human plexin A1 (PLXNA1), 1 mg
Species:	Human
Expression Host:	HEK293T



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Expression cDNA Clone or AA Sequence: >RC222057 representing NM_032242
Red=Cloning site Green=Tags(s)

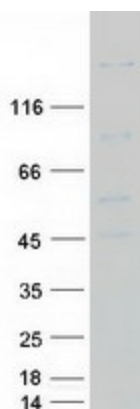
MPLPPRSLQVLLLLLLLLLLLLPGMWAEAGLPRAGGGSQPPFRTFSASDWGLTHLVVHEQTGEVYVGAVNR
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 LRLDDLKLGEPHHRKEHYLSSVQEAGSMAGVLIAGPPGQGQAKLFGVTPIDGKSEYFPTLSSRRLMANE
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 KIVRLCVDDPKFYSYVEFPIGCEQAGVEYRLVQDAYLSRGRALAHQLGLAEDEDVLFVFAQQGQKNRVK
 PPKESALCLFTLRAIKEKIKERIQSCYRGEGLSLPWLNLKELGCINSPLQIDDDFCGQDFNQPLGGTVT
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 NVSEDCPQILPSTQIYVPVGVVKPITLAARNLPQPQSGQRGYECLFHIPGSPARVTALRFNSSLQCQNS
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 ESEYISAEQIVCEIGDASSVRAHDALVEVCVRDCSPHYRALS PKRFTFVTPTFYRVSPSRGPLSGGTWIG
 IEGSHLNAGSDVAVSVGGRPCSFSWRNSREIRCLTPPGQSPGSAPIIIININRAQLTNPEVKYNYTEDPTI
 LRIDPEWSINSGGTLTGTNLATVREPRIRAKYGGIERENGCLVYNDTTMVCRAPSVANPVRSPPELG
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 LIGSTPCTLTVSETQLLCEAPNLTGQHKVTVRAGGFEFSPGTLQVYSDSLLTLP AIVGIGGGGGGLLLVI
 VAVLIAYKRKSRDADRTLKRLQLQMDNLESRVALECKEAFELQTDIHELTDLDGAGIPFLDYRTYAMR
 VLFPGIEDHPVLKEMEVQANVEKSLTFLGQLLTKKHFLTFFIRTLEAQRSFSMRDRGNVASLIMTALQGE
 MEYATGVLKQLLSDLIEKNLESKNHPKLLLRRTESVAEKMLTNWFTFLLYKFLKECAGEPLFMYCAIKQ
 QMEKGPIDAITGEARYSLEDKLRQQIDYKTLTLNVCNPNENANAPEVPVKGLDCDVTVQAKEKLLDAAY
 KGVPYSQRPKAADMDLEWRQGRMARIILQDEDVTTKIDNDWKRLNLAHYQVTDGSSVALVPKQTSAYNI
 SNSSTFTKLSRYESMLRTASSPDSLRSRTPMITPDLESGLKWLHLVKNHDLHDQREGDRGSKMVSEIYL
 TRLLATKGTLLQKFVDDL FETIFSTAHRGSALPLAIKYMFDLDEQADKHQIHADAVRHTWKSNCPLRFW
 VNVIKNPQVFVDIHKNSITDACLSVAQTFMDCSCTSEHKLKGDSPSNKLLYAKDIPNYKSWVERYADI
 AKMPAISDQDMSAYLAEQSRLHLSQFNSMSALHEIYSYITKYKDEILAALAEKDEQARRQLRSKLEQVVD
 TMLSS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK
Predicted MW: 210.9 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_115618
Locus ID:	5361
UniProt ID:	Q9UIW2
RefSeq Size:	9071
Cytogenetics:	3q21.3
RefSeq ORF:	5688
Synonyms:	NOV; NOV; PLEXIN-A1; PLXN1
Summary:	Coreceptor for SEMA3A, SEMA3C, SEMA3F and SEMA6D. Necessary for signaling by class 3 semaphorins and subsequent remodeling of the cytoskeleton. Plays a role in axon guidance, invasive growth and cell migration. Class 3 semaphorins bind to a complex composed of a neuropilin and a plexin. The plexin modulates the affinity of the complex for specific semaphorins, and its cytoplasmic domain is required for the activation of down-stream signaling events in the cytoplasm (By similarity).[UniProtKB/Swiss-Prot Function]
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Axon guidance

Product images:



Coomassie blue staining of purified PLXNA1 protein (Cat# [TP322057]). The protein was produced from HEK293T cells transfected with PLXNA1 cDNA clone (Cat# [RC222057]) using MegaTran 2.0 (Cat# [TT210002]).