

Product datasheet for **TP526796**

Plxna1 (NM_008881) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse plexin A1 (Plxna1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T



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Expression cDNA Clone or AA Sequence: >MR226796 representing NM_008881
Red=Cloning site Green=Tags(s)

MPLPPLSSRTLLLLLLLLLRGVWIAISSPPAGLGPQAFRTFVASDWGLTHLVHEQTGEVYVGVAVNRIY
 KLSGNLTLRAHVTGPVEDNEKCYPPPSVQSCPHGLGSTDNVNLLLLDYAANRLACGSASQGICQFLR
 LDDLFLKLGEPHHRKEHYLSSVREAGSMAGVLIAGPPGQQAFLVGTPIDGKSEYFPTLSSRRLMANEED
 ADMFGFVYQDEFVSSQLKIPSDTLSKFAFDIYVYSFRSEQFVYYLTQLDQLTSPDAAGEHFFTSKI
 VRLCVNDPKFYSYVEFPIGCEQAGVEYRLVQDAYLSRPGQALAKQLGLAEDEEVLFVFAQQGQKNRVKPP
 KESALCLFTLRAIKEKIKERIQSCYRGEKLSLPWLLNKELGINSPLQIDDDFCGQDFNQPLGGTVTIE
 GTPLFVDKEDGLTAVAAVDYQGRVVFAGTRSGRIRKILVDLANPSGRPALAYESVAQEGNPILRDLVL
 SPNRQYLYAMTEKQVTQVPVESCQYTSCELCGSRDPHCGWCVLHSICSRQDACERAEEPQRFASDLLQ
 CVQLTVQPRNVSVTMSQVPLVLQAWNVPDLSAGVNCSEDFETETESILEDGRIHCHSPSAREVAPITGGQ
 GDQRVVKLYLKSKEGKFFASVDFVFNCSVHQSLACVNGSFPCWCKYRHVCTNNAADCAFLGRVNM
 SEDCPQILPSTHIYVPGVWKPITLAARNLPQPQSGQRGYECLFHIPGSPARVTALRFNSSLQCNSSY
 SYEGNDVSDLPVNLVWVWNGNFVIDNPQNIQAHLKYCPALRQSCGLCKADPRFECGWCAERRCSLRHH
 CPADSPASWMHAHHGSSRCTDPKILKLPETGPRQGGTRLTITGENLGLRFEDVRLGVHVGKVLCSPVES
 EYISAEQIVCEIGDASTLRAHDALVEVCVRDCSLHYRALSPKRFTFVTPTFYRVSPSRGPLSGGTWIGIE
 GSHLNAGSDVAVSIGGRPCFSWRNSREIRCLTPPGHTPGSAPIVININRAQLSNPEVKYNYTEDPTILR
 IDPEWSINSGGTLTGTNLATVREPRIRAKYGGIERENSCMVYNDTTMVCRAPSIDNPKRSPPELGER
 PDEIGFIMDNVRTLLVLNSSFLYPPDPLEPLSPTGELLEKPSPLILKGRNLLPPAPGNSRLNYTVLI
 GSTPCILTSETQLLCEAPNLTGQHKVTVRAGGFESFGMLQVYSDSLLTLPVIGIGGGGGLLLLVIVA
 VLIAYKRKSRDADRTLKRLQLQMDNLESRVALECKEAFELQTDIHELTSDLGAGIPFLDYRTYAMRVL
 FPGIEDHPVLKEMEVQANVEKSLTFLGQLLTKKHFLLTFTIRLEAQRFSFMRDRGNVASLIMTALQGEME
 YATGVKQLLSDLIEKNLESKNHPKLLRRTESVAEKMLTNWFTFLLYKFLKECAGEPLFMYCAIKQQM
 EKGPIDAITGEARYSLEDKLRQQIDYKTLTLNCVNPEHENAPEVPVKGLNCDTQVKEKLLDAVYKG
 VPYSQRPKAGDMDLEWRQGRMARIILQDEDVTTKIDNDWKRLNLAHYQVTDGSSVALVPKQTSAYNIN
 SSTFTKLSRYESMLRTASSPDSLRSRTPMITPDESGLKWLHLVKNHDHLDQREGDRGSKMVSEIYLTR
 LLATKGTLQKFVDDLFEFIFSTAHRGSALPLAIKYMDFLDEQADKHQIHSDVDRHTWKSNCPLRFWVN
 VIKNPQFVFDIHKNSITDACLSVAQTFMDCSTSEHKLKGDSPSNKLLYAKDIPNYKSWVERYADI
 AKMPAISDQMSAYLAEQSRHLHSQFNMSALHEIYSYIAKYKDEILVALEKDEQARRQLRSKLEQVDTM
 ALSS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-MYC/DDK
Predicted MW: 211.5 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
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 after receiving vials.

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_032907
Locus ID:	18844
UniProt ID:	P70206
RefSeq Size:	9045
Cytogenetics:	6 D1
RefSeq ORF:	5682
Synonyms:	2600013D04Rik; mKIAA4053; NOV; PlexA1; 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.[UniProtKB/Swiss-Prot Function]