

Product datasheet for TP321685L

Semaphorin 5A (SEMA5A) (NM_003966) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 5A (SEMA5A), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC221685 protein sequence Red=Cloning site Green=Tags(s)
	<p>MKGTCVIAWLFSSLGLWRLAHPEAQGTTQCQRTEHPVISYKEIGPWLREFRAKNAVDFSQLTFDPGQKEL VVGARNYLFRLQLEDLSLIQAVEWECDEATKKACYSKGSKEECQNYIRVLLVGGDRLFTCGTNAFTPVC TNRSLNLTIEHDQISGMARCPYSPQHNSALLTAGGELYAATAMDFPGRDPAIYRSLGILPPLRTAQYN SKWLNENPNFVSSYDIGNFTYFFRENAVEHDCGKTVFSRAARVCKNDIGGRFLEDTWTTFMKARLNCSR PGEVPFYNELQSTFFLPELDLIYGIFTTNVNSIAASAVCVFNLSAIAQAFSGPFKYQENSRSALWLPYPN PNPHFQCGTVDDQGLYVNLTERNLQDAQFILMHEVVQPVTTVPSFMEDNSRFSHVAVDQVQGREALVHII YLATDYGTIKKVRVPLNQTSSSCLLEEIEELFPERRRREPIRSLQILHSQSFLVGLREHVVKIPLKRCQFY RTRSTCIGAQDPYCGWDVVMKKCTSLEESLSMTQWEQSISACPTRNLTVDGHFGVWSPWTPCTHTDGSVA GSCLCRTRSCDSPAPQCGGWQCEGPGMEIANCSRNGGWTPWTSWSPCSTTCGIGFQVRQRSCSNPTPRHG GRVCVGNREERYCNEHLLCPPHMFWTGWGPWERCTAQCGGGIQARRRICENGPDCAGCNVEYQSCNTNP CPELKKTPWTPWTPVNISDNGGHYEQRFRYTCKARLADPNLLEVGRQRIEMRYCSSDGTSGCSTDGSLG DFLRAGRYSAHTVNGAWSAWTSWSQCSRDCSRGIRNRKVCNNPEPKYGGMPCLGPSLEYQECNILPCPV DGVWSCWSPWTKSATCGGGHYMRTRSCSNPAPAYGGDCLGLHTEEALCNTQPCPESWSEWSWSECEA SGVQVRARQCILLFPMGSQCSGNTTESRPCVFDNSFIPEVSVARSSSVEEKRCGEFNMFMIAVGLSSSI LGCLLTLVYTYCQRYQQQSHDATVIHPVSPAPLNTSITNHINKLDKYDSVEAIKAFNKNLILEERNKY FNPHLTGKTYSNAYFTDLNNYDEY</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Predicted MW:	118.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining



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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_003957
Locus ID:	9037
UniProt ID:	Q13591 , X5DR95
RefSeq Size:	11825
Cytogenetics:	5p15.31
RefSeq ORF:	3222
Synonyms:	SEMAF; semF
Summary:	This gene belongs to the semaphorin gene family that encodes membrane proteins containing a semaphorin domain and several thrombospondin type-1 repeats. Members of this family are involved in axonal guidance during neural development. This gene has been implicated as an autism susceptibility gene.[provided by RefSeq, Jan 2010]
Protein Families:	Transmembrane
Protein Pathways:	Axon guidance

Product images:



Coomassie blue staining of purified SEMA5A protein (Cat# [TP321685]). The protein was produced from HEK293T cells transfected with SEMA5A cDNA clone (Cat# [RC221685]) using MegaTran 2.0 (Cat# [TT210002]).