

Product datasheet for TP321685

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), 20 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC221685 protein sequence
Red=Cloning site **Green**=Tags(s)

MKGTCVIAWLFSSSLGLWRLAHPEAQGTTQCQRTEHPVISYKEIGPWLREFRAKNAVDFSQTLTFDPGQKEL
VVGARNYLFRLQLEDLSLIQAVEWECDEATKKACYSKGSKEECQNYIRVLLVGGDRLFTCGTNAFTPVC
TNRSLNLTIEHDQISGMARCPYSPQHNSSTALLTAGGELYAATAMDFPGRDPAIYRSLGILPPLRTAQYN
SKWLNENPNFVSSYDIGNFTYFFRENAVEHDCGKTVFSRAARVCKNDIGGRFLEDTWTTFMKARLNCSR
PGEVPFYNELQSTFFLPELDLIYGIFTTNVNSIAASAVCVFNLSAIAQAFSGPFKYQENSRSALWLPYPN
PNPHFQCGTVDQGLYVNLTERNLQDAQFILMHEVVQPVTTVPSFMEDNSRFSHVAVDVVQGREALVHII
YLATDYGTIKKVRVPLNQTSSSCLLEEIEILFPERRRREPIRSLQILHSQSFLVGLREHVVKIPLKRCQFY
RTRSTCIGAQDPYCGWDVVMKKCTSLEESLSMTQWEQSISACPTRNLTVDGHFGVWSPWTPCTHTDGSVA
GSCLCRTRSCDSPAPQCGGWQCEGPGMEIANCSRNGGWTPWTSWSPCSTTCGIGFQVRQRSCSNPTPRHG
GRVCVGNREERYCNEHLLCPPHMFWTGWGPWERCTAQC GGGIQARRRICENGPDCAGCNVEYQSCNTNP
CPELKKTPWTPWTPVNISDNGGHYEQRFRYTCKARLADPNLLEVGRQRIEMRYCSSDGTSGCSTDGLSG
DFLRAGRYSAHTVNGAWSAWTSWSQCSRDCSRGIRNRKVCNNPEPKYGGMPCLGPSLEYQECNILPCPV
DGVWSCWSPWTKSATCGGGHYMRTSCSNPAPAYGGDICLGLHTEEALCNTQPCPESWSEWSWSECEA
SGVQVRARQCILLFPMGSQCSGNTTESRPCVFDNSFIPEVSVARSSSVEEKRCGEFNMFMIAVGLSSSI
LGCLLTLVYTYCQRYQQQSHDATVIHPVSPAPLNTSITNHINKLDKYDSVEAIKAFNKNLILEERNKY
FNPHLTGKTYSNAYFTDLNNYDEY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 118.1 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

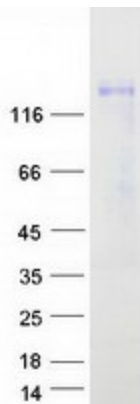
Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining



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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]).