

Product datasheet for TP316032M

Semaphorin 3D (SEMA3D) (NM_152754) Human Recombinant Protein

Product data:

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| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3D (SEMA3D), 100 µg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA | >RC216032 representing NM_152754 |
| Clone or AA Sequence: | Red=Cloning site Green=Tags(s) |

MNANKDERLKARSQDFHLPALMMLSMTMLFLPVTGTLKQNIPLKLTYSKDLLLSNSCIPFLGSSEGLDF
 QTLLEDEERGRLLLGAKDHIFLLSLVDLNKNFKKIYWPAAKERVELCKLAGKDANTECANFIRVLQPYNK
 THIVYCGTGAFHPICGYIDLGVYKEDIIFKLDTHNLESGRKCPFDPPQPFASVMTDEYLYSGTASDFLG
 KDTAFTRSLGPTHDDHYIRTDISEHYWLNAGAKFIGTFFIPDTYNPDDDKIYFFRESSQEGSTSDKILS
 RVGRVCKNDVGGQRSLINKWTTFLKARLCSIPGSDGADTYFDELQDIYLLPTRDERNPVYGVFTTSS
 IFKGSAVCVYSMADIRAVFNGPYAHKESADHRVWQYDGRIPYPRPGTGPCSKTYDPLIKSTRDFPDDVISF
 IKRHSVMYKSVYPVAGGPTFKRINVDYRLTQIVVDHVAEDGQYDVMFLGTDIGTVLKVVISKEKWNME
 EVVLEELQIFKHSSIILNMELSLKQQQLYIGSRDGLVQLSLHRCDTYKACADCLARDPYCAWDGNACS
 RYAPTSKRRARRQDVKYGDPITQCWDIEDSISHETADEKVFIEFNSTFLECIPKSQQATIKWYIQRSG
 DEHREELKPDERRIKTEYGLLIRSLQKKDSGMYCKAQEHTFIHTIVKLTNLVIENEQMENTQRAEHEEG
 KVKDLLAESRLRYKDYIQLSSPNFSLDQYCEQMWHREKRRQRNKGPKWKHMQEMKKKRNRHRDLDE
 LPRAVAT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

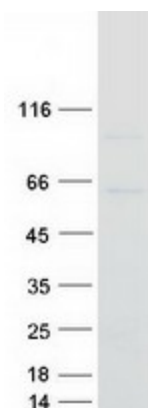
| | |
|----------------|--|
| Tag: | C-Myc/DDK |
| Predicted MW: | 89.5 kDa |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol |
| Preparation: | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps. |



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|--------------------------|---|
| 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_689967 |
| Locus ID: | 223117 |
| UniProt ID: | O95025 |
| RefSeq Size: | 6276 |
| Cytogenetics: | 7q21.11 |
| RefSeq ORF: | 2331 |
| Synonyms: | coll-2; Sema-Z2 |
| Summary: | This gene encodes a member of the semaphorin III family of secreted signaling proteins that are involved in axon guidance during neuronal development. The encoded protein contains an N-terminal Sema domain, an immunoglobulin like domain and a C-terminal basic domain. The protein encoded by this gene binds neuropilin and plays an important role in cardiovascular development. [provided by RefSeq, Aug 2016] |
| Protein Families: | Transmembrane |
| Protein Pathways: | Axon guidance |

Product images:



Coomassie blue staining of purified SEMA3D protein (Cat# [TP316032]). The protein was produced from HEK293T cells transfected with SEMA3D cDNA clone (Cat# [RC216032]) using MegaTran 2.0 (Cat# [TT210002]).