

Product datasheet for TP316032

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

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3D (SEMA3D), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA	>RC216032 representing NM_152754
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MNANKDERLKARSQDFHLPALMMLSMTMLFLPVTGTLKQNIPLKLTYSKDLLLSNSCIPFLGSSEGLDF
QTLLEDEERGRLLLGAKDHIFLLSLVDLNKNFKKIYWPAAKERVELCKLAGKDANTECANFIRVLQPYNK
THIYVCGTGAFHPICGYIDLGVYKEDIIFKLDTHNLESGRKCPFDPPQPFASVMTDEYLYSGTASDFLG
KDTAFTRSLGPTHDDHYIRTDISEHYWLNAGAKFIGTFFIPDTYNPDDDKIYFFRESSQEGSTSDKILS
RVGRVCKNDVGGQRSLINKWTTFLKARLCSIPGSDGADTYFDELQDIYLLPTRDERNPVYGVFTTSS
IFKGSAVCVYSMADIRAVFNGPYAHKESADHRVWQYDGRIPYPRPGTGPCSKTYDPLIKSTRDFPDDVISF
IKRHSVMYKSVYPVAGGPTFKRINVDYRLTQIVVDHVAEDGQYDVMFLGTDIGTVLKVVISKEKWNME
EVLLEELQIFKHSSILNMELSLKQQQLYIGSRDGLVQLSLHRCDTYKACADCLARDPYCAWDGNACS
RYAPTSKRRARRQDVKYGDPITQCWDIEDSISHETADEKVIFGIEFNSTFLECIPKSQQATIKWYIQRSG
DEHREELKPDERRIKTEYGLLIRSLQKKDSGMYCKAQEHTFIHTIVKLTNLVIENEQMENTQRAEHEEG
KVKDLLAESRLRYKDYIQLSSPNFSLDQYCEQMWHREKRRQRNKGPKWKHMQEMKKKRNRHHRDLDE
LPRAVAT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

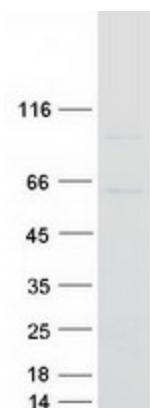
Tag:	C-Myc/DDK
Predicted MW:	89.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity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