

Recombinant Human SEMA3D Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. SEMA3D-242H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SEMA3D MS Standard C13 and N15-labeled recombinant protein (NP_689967) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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]
Molecular Mass	89.5 kDa
AA Sequence	MNANKDERLKARSQDFHLFPALMMLSMTMLFLPVTGTLKQNIPLRLKLTYSKDLLLSNS CIPFLGSSEGLDFQTLTLLDEERGRLLLGAKDHIFLLSLVDLNKNFKKIYWPAKERVEREL CKLAGKDANTECANFIRVLQPYNKTHIYVCGTGAFHPICGYIDLGVYKEDIIFKLDTHN LESGRLKCPFDPPQPFASVMTDEYLYSGTASDFLGKDTAFTSLGPTHDDHHYIRTDI SEHYWLNAGAKFIGTFFIPDTYNPDDDKIYFFFRESSQEGSTSDKTILSRVGRVCKNDV GGQRLINKWTTFLKARLICSIPGSDGADTYFDELQDIYLLPTRDERNPVYGVFTTT SSIFKGSAVCVYSMADIRAVFNGPYAHKESADHRWVQYDGRIPYPRPGTCPSKTYD

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PLIKSTRDFPDDVISFIKRHSVMYKSVYPVAGGPTFKRINVDYRLTQIVVDHVIAEDGQ
YDVMFLGTDIGTVLKVVVISKEKWNMEEVVLEELQIFKHSSIILNMELSLKQQQLYIGS
RDGLVQLSLHRCDTYGKACADCCLARDPYCAWDGNACSRYPATSKRRARRQDVK
YGDPIQTCWDIEDSISHETADEKVIFGIEFNSTFLECIPKSQQATIKWYIQRSGDEHRE
ELKPDERIIKTEYGLLIRSLQKKDSGMYCKAQEHTFIHTIVKLTLNVIENEQMENTQR
AEHEEGKVKDLLAESRLRYKDYIQLSSPNFSLDQYCEQMWHREKRRQRNKGKPK
WKHMQEMKKKRNRRHHRDLDELPRAVATTRTRPLEQKLISEEDLAANDILDYKDDD
DKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	SEMA3D sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3D [Homo sapiens (human)]
Official Symbol	SEMA3D
Synonyms	SEMA3D; sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3D; semaphorin-3D; coll 2; Sema Z2; collapsin 2; coll-2; Sema-Z2; MGC39708;

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Gene ID	223117
mRNA Refseq	NM_152754
Protein Refseq	NP_689967
MIM	609907
UniProt ID	O95025
SDS-PAGE	