

Recombinant Full Length Human SEMA3D Protein, C-Flag-tagged

Cat. No. SEMA3D-563HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human SEMA3D Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	89.5 kDa
AA Sequence	MNANKDERLKARSQDFHLFPALMMLSMTMLFLPVTGTLKQNIPLRLKLTYSKDLLLSNS CIPFLGSSEGLDF QTLTLLDEERGRLLLGAKDHIFLLSLVDLKNFKKIYWPAAKERVE LCKLAGKDANTECANFIRVLQPYNK THIIYVCGTGAFHPICGYIDLGVYKEDIIFKLDTH NLESGRLKCPFDPPQPFASVMTDEYLYSGTASDFLG KDTAFTSLGPTHDDHHYIRT DISEHYWLNAGAKFIGTFFIPDTYNPDDDKIYFFRFRESSQEGSTSDKTILS RVGRVCKN DVGGQQRSLINKWTTFLKARLICSIPGSDGADTYFDELQDIYLLPTRDERNPVVYGVFT TTSS IFKGSACVYSMADIRAVFNGPYAHKESADHRWWQYDGRIPYPRPGTSPSKT

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YDPLIKSTRDFPDDVISF IKRHSVMYKSVYPVAGGPTFKRINVDYRLTQIVVDHVIAED
 GQYDVMFLGTDIGTVLKVVSISKEKWNME EVVLEELQIFKHSSIILNMELSLKQQQLY
 IGSRDGLVQLSLHRCDTYGKACADCCLARDPYCAWDGNACS RYAPTSKRRARRQ
 DVKYGDPITQCWDIEDSISHETADEKVIFGIEFNSTFLECIPKSQQATIKWYIQRSG DE
 HREELKPDERIIKTEYGLLIRSLQKKDSGMYCKAQEHTFIHTIVKLTNLVINEQMEN
 TQRAEHEEG KVKDLLAESRLRYKDYIQILSSPNFSLDQYCEQMWHREKRRQRNKG
 GPKWKHMQEMKKKRNRRHHRDLDE
 LPRAVATTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Transmembrane
Protein Pathways	Axon guidance
Full Length	Full L.

GENE INFORMATION

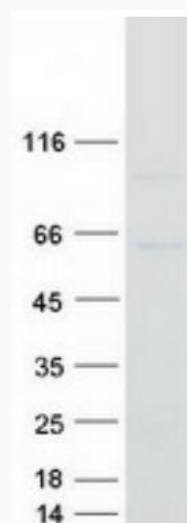
Gene Name **SEMA3D semaphorin 3D [Homo sapiens (human)]**

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Official Symbol	SEMA3D
Synonyms	coll-2; Sema-Z2
Gene ID	223117
mRNA Refseq	NM_152754.3
Protein Refseq	NP_689967.2
MIM	609907
UniProt ID	O95025



Coomassie blue staining of purified SEMA3D protein.