

Recombinant Human SEMA4F Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SEMA4F-3325H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SEMA4F MS Standard C13 and N15-labeled recombinant protein (NP_004254) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a transmembrane class IV semaphorin family protein, which plays a role in neural development. This gene may be involved in neurogenesis in prostate cancer, the development of neurofibromas, and breast cancer tumorigenesis. Alternative splicing results in multiple transcript variants.
Molecular Mass	83.5 kDa
AA Sequence	MPASAARPRPGPGQPTASPFLLLLAVLSGPVSGRVPRSVPRRTSLPISEADSCSLTRF AVPHTYNYSVLLVDPASHTLYVGARDTIFALSLPFSGERPRRIDWMVPEAHRQNCRK KGKKEDECHNFVQILAIANASHLLTCGTFAFDPKCGVIDVSRFQQVERLESGRGKCP FEPAQRSAAVMAGGVLYAATVKNYLGTEPIITRAVGRAEDWIRTDTLPSWLNAPAFV AAVALSPAEWGDEDGDDEIYFFFTETSRAFDSEYERIKVPRVARVCAGDLGGRKTLQ QRWTTFLKADLLCPGPEHGRASSVLQDVAVLRPELGAGTPIFYGIFSSQWEGATISA VCAFRPQDIRTVLNGPFRELKHDCNRGLPVVDNDVPQPRPGECITNNMKLRHFGSS LSLPDRVLTFIRDHPLMDRVPFADGHPLLVTDTAYLRVVAHRVTSLSGKEYDVLYL GTEDGHLHRAVRIGAQLSVLEDLALFPEPQPVENMKLYHSWLLVGSRTQVNTT

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NCGRLQSCSECILAQDPVCAWSFRLDECVAHAGEHRGLVQDIESADVSSLCPKPEG
 ERPVVFVVPVATAAHVVLPCSPSSAWASCVWHQPSGVLTALTPRRDGLEVVVTPGA
 MGAYACECQEGGAHVVAAYSLVWGSQRDAPSRAHTVGAGLAGFFLGILAASLTLI
 LIGRRQQRRRQRELLARDKVGDLGAPPSGTTSSYSQDPPSPSPEDERLPLALAKRG
 SGFGGFSPFFLLDPCPSPAHIRLTGAPLATCDETSITRTRPLEQKLISEEDLAANDILD
 YKDDDDKV

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	SEMA4F ssemaphorin 4F [Homo sapiens (human)]
Official Symbol	SEMA4F
Synonyms	SEMA4F; sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4F; SEMAM; semaphorin-4F; m Sema M; SEMAW; sema M; sema W; semaphorin M; semaphorin-M; semaphorin-W; sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, 4F; M-SEMA; PRO2353; m-Sema-M;
Gene ID	10505

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mRNA Refseq	NM_004263
Protein Refseq	NP_004254
MIM	603706
UniProt ID	O95754

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