

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	MPASAARPRPGPGQPTASPFLLLLAVLSGPVSGRVPRSVPRTSPLPISEADSCSLTRF AVPHTYNYSVLLVDPASHTLYVGARDTIFALSLPFSGERPRRIDWMVPEAHRQNCRK KGKKEDECHNFVQILAIANASHLLTCGTFAFDPKCGVIDVSRFQQVERLESGRGKCP FEPAQRSAAVMAGGVLYAATVKNYLGTETITRAVGRAEDWIRTDTLPSWLNAPAFV AAVALSPAEWGDEDGDDEIYFFFTETSRAFDSEYERIKVPRVARVCAGDLGGRKTLQ QRWTTFLKADLLCPGPEHGRASSVLQDVAVLRPELGAGTPIFYGIFSSQWEGATISA VCAFRPQDIRTVLNGPFRELKHDCNRGLPVVDNDVPQPRPGECITNNMKLRHFGSS LSLPDRVLTFIRDHPLMDRPVFPADGHPLLVTDTAYLRVVAHRVTSLSGKEYDVLVYL GTEDGHLHRAVRIGAQLSVLEDLALFPEPQPVENMKLYHSWLLVGSRTQVNTT

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NCGRLQSCSECILAQDPVCAWSFRLDECVAHAGEHRGLVQDIESADVSSLCPKPEG
 ERPVVFVVPVATAAHVVLPCSPSSAWASCVWHQPSGVLTALTPRRDGLEVVVTPGA
 MGAYACECQEGGAHVVAAYSLVWGSQRDAPSRAHTVGAGLAGFFLGILAASLTLI
 LIGRRQRRRQRELLARDKVGDLGAPPSGTTSSYSQDPPSPSPEDERLPLALAKRG
 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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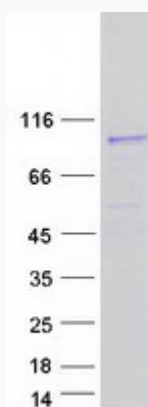
mRNA Refseq NM_004263

Protein Refseq NP_004254

MIM 603706

UniProt ID O95754

SDS-PAGE



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