

Product datasheet for TP306544M

SEMA4F (NM_004263) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4F (SEMA4F), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC206544 protein sequence Red=Cloning site Green=Tags(s)

MPASAARPRPGPGQPTASPFLLLLLAVLSGPVSGRVPRSVPRSTSLPISEADSCSLTRFAVPHTYNYSVLLV
DPASHTLYVGARDTIFALSLPFSGERPRRIDWMVPEAHRQNCRKKGKKEDECHNFVQILAIANASHLLTC
GTFAFDPKCGVIDVSRFQQVERLESGRGKCFEPAQRSAAVMAGGVLYAATVKNYLGTPEIITRAVGRAE
DWIRTDLPSWLNAPAFVAVALSPAEWGDEDEDGDEIYFFFTETSRAFDSYERIKVPRVARVCAGDLGGR
KTLQQRWTTFLKADLLCPGPEHGRASSVLQDVAVLRPELGAGTPIFYGIFSSQWEGATISAVCAFRPQDI
RTVLNGPFRELKHCNRGLPVDNDVPPRPGECITNNMCLRHFSSLSLPDRVLTFFIRDHPLMDRPVFP
ADGHPLLVTTDTAYLRVVAHRVTSLSGKEYDVLVYLGTEDEGHLHRAVRIGAQLSVLEDLALFPEPQPVENM
KLYHSWLLVGSRTVETQVNTTNCGRLQSCSECILAQDPVCAWSFRLDECVAHAGEHRGLVQDIESADVSS
LCPKEPGERPVVFEVPVATAAHVWLPSPSSAWASCVWHQPSGVTALTPRRDGLVWVTPGAMGAYACEC
QEGGAAHVAAAYSLVWGSQRDAPSRAHTVGAGLAGFFLGILAASLTLLIGRRQRRRQRELLARDKVGL
DLGAPPSGTTSYSQDPPSPSPEDERLPLALAKRSGSGFGGFSPPFLDPCPSPAHIRLTGAPLATCDETSI

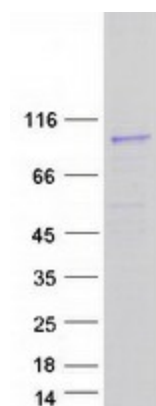
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	83.3 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.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.



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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_004254
Locus ID:	10505
UniProt ID:	O95754
RefSeq Size:	6122
Cytogenetics:	2p13.1
RefSeq ORF:	2310
Synonyms:	M-SEMA; m-Sema-M; PRO2353; S4F; SEMAM; SEMAW
Summary:	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. [provided by RefSeq, Nov 2012]
Protein Families:	Transmembrane
Protein Pathways:	Axon guidance

Product images:

Coomassie blue staining of purified SEMA4F protein (Cat# [TP306544]). The protein was produced from HEK293T cells transfected with SEMA4F cDNA clone (Cat# [RC206544]) using MegaTran 2.0 (Cat# [TT210002]).