

## Product datasheet for TP306544

### 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), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC206544 protein sequence Red=Cloning site Green=Tags(s)

MPASAARPRPGPGQPTASPFLLLLLAVLSGPVSGRVPRSVPRSTSLPISEADSCSLTRFAVPHTYNYSVLLV  
DPASHTLYVGARDTIFALSPLFSGERPRRIDWMVPEAHRQNCRKKGKKEDECHNFVQILAIANASHLLTC  
GTFAFDPKCGVIDVSRFQQVERLESGRGKCFEPAQRSAAVMAGGVLYAATVKNYLGTPEIITRAVGRAE  
DWIRTDLPSWLNAPAFVAVALSPAEWGDEDEDGDEIYFFFTETSRAFDSYERIKVPRVARVCAGDLGGR  
KTLQQRWTTFLKADLLCPGPEHGRASSVLQDVAVLRPELGAGTPIFYGIFSSQWEGATISAVCAFRPQDI  
RTVLNGPFRELKHCNRGLPVDNDVPPRPGECITNNMKLRHFGSSLSLPDRVLTFFIRDHPLMDRPVFP  
ADGHPLLVTTDTAYLRVVAHRVTSLSGKEYDVLVYLGTEDEGHLHRAVRIGAQLSVLEDLALFPEPQPVENM  
KLYHSWLLVGSRTEVTQVNTTNCGRLQSCSECILAQDPVCAWSFRLDECVAHAGEHRGLVQDIESADVSS  
LCPKEPGERPVVFEVPVATAAHVWLPSPSSAWASCVWHQPSGVTALTPRRDGLVWVTPGAMGAYACEC  
QEGGAAHVAAAYSLVWGSQRDAPSRAHTVGAGLAGFFLGILAASLTLLIGRRQRRRQRELLARDKVG  
DLGAPPSGTTSYSQDPPSPSPEDERLPLALAKRSGSGFGGFSPPFLDPCPSPAHIRLTGAPLATCDETSI

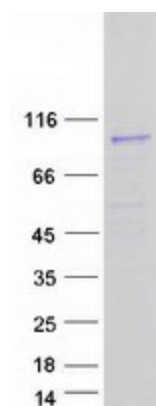
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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.



[View online »](#)

<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_004254</a>
<b>Locus ID:</b>	10505
<b>UniProt ID:</b>	<a href="#">O95754</a>
<b>RefSeq Size:</b>	6122
<b>Cytogenetics:</b>	2p13.1
<b>RefSeq ORF:</b>	2310
<b>Synonyms:</b>	M-SEMA; m-Sema-M; PRO2353; S4F; SEMAM; SEMAW
<b>Summary:</b>	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]
<b>Protein Families:</b>	Transmembrane
<b>Protein Pathways:</b>	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]).