

Product datasheet for PH306544

SEMA4F (NM_004263) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	SEMA4F MS Standard C13 and N15-labeled recombinant protein (NP_004254)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC206544
Predicted MW:	83.5 kDa
Protein Sequence:	>RC206544 protein sequence Red=Cloning site Green=Tags(s)
	MPASAARPRPGPGQPTASPFPLLLLAVLSGPVSGRVPRSVPRTSPLPISEADSCLTRFAVPHTYNYSVLLV DPASHTLYVGARDTIFALSPLPFSGERPRRIDWMVPEAHRQNCRKKGKKEDECHNFVQILAIANASHLLTC GTFAFDPKCGVIDVSRFQQVERLESGRGKCPFEPAQRSAAVMAGGVLAAATVKNYLGTEPIITRAVGRAE DWIRTDLPSWLNAPAFVAAVALSPAEWGDEGDDEIYFFFTETSRAFDSYERIKVPRVARVCAGDLGGR KTLQQRWTTFLKADLLCPGPEHGRASSVLQDVAVLRPELGAGTPIFYGIFSSQWEGATISAVCAFRPQDI RTLVLNGPFRELKHCNRGLPVVDNDVPQPRPGECITNMKLRHFGSSLSLPDRVLTFFIRDHPLMDRPVFP ADGHPLLVTTDTAYLRVVAHRVTSLSGKEYDVL YLGTEDGHLHRAVRIGAQLSVLEDLALFPEPQPVENM KLYHSWLLVGSRTVTVNTTNGRLQSCSECILAQDPVCAWSFRLDECVAHAGEHRGLVQDIESADVSS LCPKEPGERPVVFEVPVATAAHVVLPCSPSSAWASCVWHQPSGVTALTPRRDGLEVVVTPGAMGAYACEC QEGGAHVVAAYSLVWGSQRDAPSRAHTVGAGLAGFFLGILAAASLTLILIGRRQQRRRQRELLARDKVGL DLGAPPSGTTSYSQDPPSPSPEDERLPLALAKRGSFGGFSPFFLLDPCPSPAHIRLTGAPLATCDETSI
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_004254



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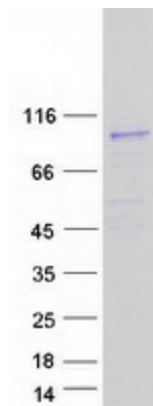
RefSeq Size:	6122
RefSeq ORF:	2310
Synonyms:	M-SEMA; m-Sema-M; PRO2353; S4F; SEMAM; SEMAW
Locus ID:	10505
UniProt ID:	O95754
Cytogenetics:	2p13.1

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]).