

Product datasheet for TP311085

SEMA4B (NM_198925) 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) 4B (SEMA4B), transcript variant 2, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC211085 protein sequence Red=Cloning site Green=Tags(s)

MLRTAMGLRSWLAAPWGALPPRPPLLLLLLLLLLLLLLQPPPPTWALSPRISLPLGSEERPFLRFEAEHISNY
TALLSRDGRPLYVGAREALFALSSNLSFLPGGEYQELLWGADAEEKKQCSFKGKDPQRDCQNYIKILLP
LSGSHLFTCGTAAAFSPMCTYINMENFTLARDEKGNVLEEDGKGRCPDPNFKSTALVVDGELYTGTVSSFF
QGNDPAISRSQSLRPTKTESSLNWLQDPAFVASAYIPESLQSLQGGDDKIYFFFSETGQEFFEFFENTIVS
RIARICKGDEGGERVLQQRWTSFLKAQLLCSRPDGFPFNVLQDVFTLSPSPQDWRDRLFYGVFTSQWHR
GTTEGSAVCVFTMKDVQRVFSGLYKEVNRETQQWYTVTHPVPTPRPGACITNSARERKINSSQLPDRVL
NFLKDHFLMDGQVRSRMLLLQPQARYQRVAVHRVPLHHTYDVLFLGTGDGRLHKAVSVGPRVHIIIEELQ
IFSSGQPVNLLLDTHRGLLYAASHSGVVQVPMANCSLYRSCGDCLLARDPYCAWSGSSCKHVSLSYQPQL
ATRPWIQDIEGASAKDLCSASSVSPSFVPTGEKPCQVQFQPNVTNLTACPLLSNLATRLWLRNGAPVN
ASASCHVLPTGDLVLTGQQLGEFQCWSLEEGFQQLVASYCPEVVEDGVADQTEGGSSVPVIISTSRVSA
PAGGKASWGADRSYWKFLVMCTLFVLAVLLPVLFLLYRHRNSMKVFLKQGECAVHPKTCPVVLPPETR
PLNGLGPPSTPLDHRGYQSLSDSPPGARVFTSEKRPLSIQDSFVEVSPVCPRPRVRLGSEIRDSV

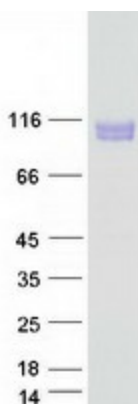
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	92.6 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.



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Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
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_945119
Locus ID:	10509
UniProt ID:	Q9NPR2
RefSeq Size:	3780
Cytogenetics:	15q26.1
RefSeq ORF:	2511
Synonyms:	SEMAC; SemC
Summary:	Inhibits axonal extension by providing local signals to specify territories inaccessible for growing axons.[UniProtKB/Swiss-Prot Function]
Protein Families:	Transmembrane
Protein Pathways:	Axon guidance

Product images:

Coomassie blue staining of purified SEMA4B protein (Cat# TP311085). The protein was produced from HEK293T cells transfected with SEMA4B cDNA clone (Cat# [RC211085]) using MegaTran 2.0 (Cat# [TT210002]).