

Product datasheet for PH316548

SEMA4B (NM_020210) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	SEMA4B MS Standard C13 and N15-labeled recombinant protein (NP_064595)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC216548
Predicted MW:	92.6 kDa
Protein Sequence:	>RC216548 representing NM_020210 Red=Cloning site Green=Tags(s)

MLRTAMGLRSWLAAPWGALPPRPPLLLLLLLLLLQPPPTWALSPRISLPLGSEERPFLRFEAEHISNY
TALLLSRDGRTL YVGAREALFALSSNLSFLPGGEYQELLWGADAIEKKQCCSFKGGKDPQRDCQNYIKILLP
LSGSHLFTCGTAAFSPMCTYINMENFTLARDEKGNVLLLEDGKGRCPDPNFKSTALVVDGELYTGTVSSF
QGNDPAISRSQSLRPTKTESSLNWLQDPAFVASAYIPESLGLSQGDDDKIYFFFSETGQEFEFFENTIVS
RIARICKGDEGGERVLQQRWTSFLKAQLLCSRDDGFPFNVLQDVFTLSPSPQDWRDTLFGYVFTSQWHR
GTTEGSAVCVFTMKDVQRFVSGLYKEVNRETQQWYTVTHPVPTPRPGACITNSARERKINSSLQLPDRVL
NFLKDHFLMDGQVRSRMLLLQPQARYQRVAVHRVPLGHHTYDVLFLGTGDGRLHKAVSVGPRVHIEELQ
IFSSGQPVQNL LLDTHRGLLYAASHSGVVQVPMANCSLYRSCGDCLLARDPYCAWSGSSCKHVSLYQPQL
ATRPWIQDIEGASAKDLCSASSVSPSFVPTGEKPCQVQFQPNTVNTLACPLL SNLATRLWLRNGAPVN
ASASCHVLP TGDL LLLVGTQQLGEFQCWSLEEGFQQLVASYCPEVVEDGVADQTDEGGSVPV IISTSRVSA
PAGGKASWGADRSYWKEFLVMCTLFVLAVLLPVLFLLYRHRNSMKVFLKQGECAVHPKTCPVVLPETR
PLNGLGPPSTPLDHRGYQSLSDSPPGARVFTSEKRPLSIQDSFVEVSPVCPRRVRVLGSEIRDSVV

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

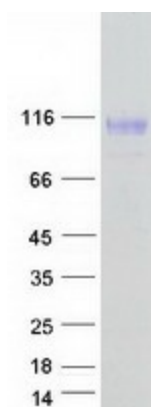
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	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_064595



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RefSeq Size:	3843
RefSeq ORF:	2511
Synonyms:	SEMAC; SemC
Locus ID:	10509
UniProt ID:	Q9NPR2
Cytogenetics:	15q26.1
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# [TP316548]). The protein was produced from HEK293T cells transfected with SEMA4B cDNA clone (Cat# [RC216548]) using MegaTran 2.0 (Cat# [TT210002]).