

Recombinant Human SEMA4B Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SEMA4B-2773H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SEMA4B MS Standard C13 and N15-labeled recombinant protein (NP_945119) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Inhibits axonal extension by providing local signals to specify territories inaccessible for growing axons.
Molecular Mass	92.7 kDa
AA Sequence	MLRTAMGLRSWLAAPWGALPPRPPLLLLLLLLLLLLLLQPPPPTWALSPRISLPLGSEER PFLRFEAEHISNYTALLSRDGRTLYVGAREALFALSSNLSFLPGGEYQELLWGADA EKKQQCSFKGKDPQRDCQNYIKILLPLSGSHLFTCGTAAFSPMCTYINMENFTLARD EKGNVLLEDGKGRCFPDPNFKSTALVVDGELYTGTVSSFQGNPAISRSQSLRPTK TESSLNWLQDPAFVASAYIPESLGSQGGDDKIYFFFSETGQEFEEFFENTIVSRIARIC KGDEGGERVLQQRWTSFLKAQLLCSRPDGFPFNVLQDVFTLSPSPQDWRDTLFY GVFTSQWHRGTTEGSAVCVFTMKDVQRVFSGLYKEVNRETQQWYTVTHPVPTPR PGACITNSARERKINSSLQLPDRVLNFKDHFMDGQVRSRMLLLQPQARYQRVAV HRVPGLHHTYDVLFLGTGDGRLHKAHSVGPVHIIIEELQIFSSGQPVQNLLLDTHRG LLYAASHSGVVQVPMANCSLYRSCGDCLLARDPYCAWSGSSCKHVSQYQPLATR PWQDIEGASAKDLCSASSVSPSFVPTGEKPCEQVQFQPNVTNLTACPLLSNLATR

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LWLRNGAPVNASASCHVLPTGDLLLVGTQQLGEFQCWSLEEGFQQLVASYCPEVV
 EDGVADQTDEGGSVPIISTSRVSAPAGGKASWGADRSYWKEFLVMCTLFVLAVLL
 PVLFLLYRHRNSMKVFLKQGECA SVHPKTCPVVLPPEPTRPLNGLGPPSTPLDHRGY
 QSLSDSPPGARVFTSEKRPLSIQDSFVEVSPVCPRPRVRLGSEIRDSVVTTRTRPLE
 QKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name [SEMA4B semaphorin 4B \[Homo sapiens \(human\) \]](#)

Official Symbol [SEMA4B](#)

Synonyms SEMA4B; sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4B; SEMAC; semaphorin-4B; KIAA1745; MGC131831; SemC; sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, 4B;

Gene ID [10509](#)

mRNA Refseq [NM_198925](#)

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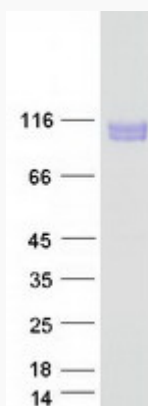
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Protein Refseq NP_945119

MIM 617029

UniProt ID Q9NPR2

SDS-PAGE



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