

## Recombinant Human SEMA4B Protein

Catalog #	Source	Reactivity	Applications
CRP2258	Human cells	Human	E, WB, SDS-PAGE, MS

<b>Description</b>	Recombinant Human SEMA4B Protein is produced by our mammalian expression system and the target gene encoding Leu39-Glu712 is expressed with a Fc, 6His tag at the C-terminus.
<b>Form</b>	Lyophilized from a 0.2 µM filtered solution of PBS, pH 7.4.
<b>Gene Symbol</b>	SEMA4B
<b>Alternative Names</b>	KIAA1745; SEMAC; Semaphorin-4B
<b>Entrez Gene</b>	10509 (Human)
<b>SwissProt</b>	Q9NPR2 (Human)
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE.
<b>Chemical Structure</b>	<p>           LSPRISLPLG SEERPFLRFE AEHISNYTAL LLSRDGRTLY VGAREALFAL SSNLSFLPGG            EYQELLWGAD AEKKQQCSFK GKDPQRDCQN YIKILLPLSG SHLFTCGTAA FSPMCTYINM            ENFTLARDEK GNVLLEDGKG RCPFDPNFKS TALVVDGELY TGTVSSFQGN DPAIRSQSL            RPTKTESSLN WLQDPAFVAS AYIPESLGSL QGDDDKIYFF FSETGQEFEE FENTIVSRIA            RICKGDEGGE RVLQQRWTSF LKAQLLCSRP DDGPFNVLQ DVFTLSPSPQ DWRDTLFYGV            FTSQWHRGTT EGSAVCVFTM KDVQRVFSGL YKEVNRETQQ WYTVTHPVPT PRPGACITNS            ARERKINSSL QLPDRVLNFL KDHFLMDGQV RSRMLLLQPQ ARYQRVAVHR VPGLHHTYDV            LFLGTGDGRL HKAIVSGPRV HIIIEELQIFS SGQPVQNLLL DTHRGLLYAA SHSGVVQVPM            ANCSLYRSCG DCLLARDPYC AWSGSSCKHV SLYQPQLATR PWIQDIEGAS AKDLCSASSV            VSPSFVPTGE KPCEVQVQFP NTVNTLACPL LSNLATRLWL RNGAPVNASA SCHVLPTGDL            LLVGTQQLGE FQCWSLEEGF QQLVASYCPE VVEDGVADQT DEGGSVPVII STSRVSAPAG            GKASWGADRS YWKEVDDIEG RMDEPKSCDK THTCPPCPAP ELLGGPSVFL FPPKPKDTLM         </p>

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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# Product Data Sheet

ISRTPEVTCV VVDVSHEDPE VKFNWYVDGV EVHNAKTKPR EEQYNSTYRV VSVLTVLHQD  
WLNQKEYKCK VSNKALPAPI EKTISKAKGQ PREPQVYTLPSREEMTKNQ VSLTCLVKGF  
YPSDIAVEWE SNGQPENNYK TTPVLDSDG SFFLYSKLTV DKSRWQQGNV FSCSVMHEAL  
HNHYTQKSLS LSPGKHHHHH H

## Quality Control

Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.

## Directions for Use

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

## Storage/Stability

Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

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