

## Recombinant Human SEMA4B Protein

Catalog #	Source	Reactivity	Applications
CRP2257	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 6His tag at the C-terminus.
<b>Form</b>	Liquid in a 0.2 μM filtered solution of 20mM PB, 150mM NaCl, 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 DWRDTLFGV            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 YWKEVDHHHH HH         </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

<b>Quality Control</b>	Endotoxin: Less than 0.1 ng/ $\mu$ g (1 IEU/ $\mu$ g) as determined by LAL test.
<b>Directions for Use</b>	Always centrifuge tubes before opening. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Storage/Stability</b>	Store it at -20°C to -80°C for one year.

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