

## Recombinant Mouse SEMA4C Protein

Catalog #	Source	Reactivity	Applications
CRP2259	Human cells	Mouse	E, WB, SDS-PAGE, MS

<b>Description</b>	Recombinant Mouse SEMA4C Protein is produced by our mammalian expression system and the target gene encoding Ala21-Gly664 is expressed with a Fc 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>	SEMA4C
<b>Alternative Names</b>	KIAA1739; SEMA1; Semaphorin-4C
<b>Entrez Gene</b>	20353 (Mouse)
<b>SwissProt</b>	Q64151 (Mouse)
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE.
<b>Chemical Structure</b>	AEMWWNLVPR KTVSSGELVT VVRRFSQTGI QDFLTLTLE HSGLLYVGAR EALFAFSVEA LELQGAISWE APAEKKIECT QKGKSNQTEC FNFIRFLQPY NSSHLVVCYT YAFQPKCTYI NMLTFTLDRA EFEDGKGGKCP YDPAKGHTGL LVDGELYSAT LNNFLGTEPV ILRYMGTHHS IKTEYLAFWL NEPHFVGSFAF VPESVGSFTG DDDKIYFFFS ERAVEYDCYS EQVVARVARV CKGDMGGART LQKKWTTFLK ARLVCSAPDW KVFYFNQLKAV HTLRGASWHN TTFFGVFQAR WGDMDLSAVC EYQLELIQV FEGPYKEYSE QAQKWARYTD PVPSRPGSC INNWHRDNGY TSSLELPDNT LNFIKKHPLM EDQVKPRLGR PLLVKKNTNF THVVADRVPG LDGATYTVLF IGTGDGWLLK AVSLGPWIHM VEELQVFDQE PVESLVLSQS KKVLFAGSRS QLVQLSLADC TKYRFCVDCV LARDPYCAWN VNTSRCVATT SGRSGSFLVQ HVANLDTSKM CNQYGIKKVR SIPKNITVVS GTDLVLPCHL SSNLAHAHWT FGSQDLPAEQ PGSFLYDTGL QALVVMAAQS RHSGPYRCYS EEQGTRLAAE SYLVAVVAGS SVTLEARAPL ENLGVDDIEG RMDEPKSCDK THTCPPCPAP ELLGGPSVFL FPPKPKDTLM ISRTPEVTCV VVDVSHEDPE

**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

VKFNWYVDGV EVHNAKTKPR EEQYNSTYRV VSVLTVLHQD WLNGKEYKCK VSNKALPAPI  
EKTISKAKGQ PREPQVYTL PPSREEMTKNQ VSLTCLVKGF YPSDIAVEWE SNGQPENNYK  
TTPPVLDSDG SFFLYSKLTV DKSRWQQGNV FSCSVMHEAL HNHYTQKSL S LSPGK

## 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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