

Recombinant Human SEMA4G Protein

Catalog #	Source	Reactivity	Applications
CRP2263	Human cells	Human	E, WB, SDS-PAGE, MS

Description Recombinant Human SEMA4G Protein is produced by our mammalian expression system and the target gene encoding Val18-Leu680 is expressed with a 6His tag at the C-terminus.

Form Lyophilized from a 0.2 μM filtered solution of PBS, pH 7.4.

Gene Symbol SEMA4G

Alternative Names KIAA1619; Semaphorin-4G

Entrez Gene 57715 (Human)

SwissProt Q9NTN9 (Human)

Purity Greater than 95% as determined by reducing SDS-PAGE.

Chemical Structure VPGPSLRPS RELDATPRMT IPYEELSGTR HFKGQAQNY S TLLLEEASAR LLVGARGALF SLSANDIGDG AHKEIHWEAS PEMQSKCHQK GKNNQTECFN HVRFLQRLNS THLYACGTHA FQPLCAAIDA EAFTLPTSFE EGKEKCPYDP ARGFTGLIID GGLYTATRYE FR SIPDIRRS RHPHSLRTEE TPMHWLND AE FVFSVLVRES KASAVGDDDK VYFFTERAT EEGSGSFTQS RSSHRVARVA RVCKGDLGGK KILQKKWTSF LKARLICHIP LYETLRGVCS LDAETSSRTH FYAAFTLSTQ WKTLEASAIC RYDLAEIQAV FAGPYMEYQD GSRRWGRYEG GVPEPRPGSC ITDSLRSQGY NSSQDLPSLV LDFVKLHPLM ARPVVPTGR PLLKRNIRY THLTGTPVTT PAGPTYDLLF LGTADGWIHK AVVLGSGMHI IEETQVFRES QSVENLVISL LQHSLYVGAP SGVIQLPLSS CSRYRSCYDC ILARDPYCGW DPGTHACAAA TTIANRSQGS RTALIQDIER GNRGCESSRD TGPPPPLKTR SVLRGDDVLL PCDQPSNLAR ALWLLNGSMG LSDGQGGYRV GVDGLLV TDA QPEHSGNYGC YAEENGLRTL LASYSLTVRP ATPAPAPKAP ATPGAQLAPD VRLVDH H H H H H H H

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

Quality Control	Endotoxin: Less than 0.1 ng/ μ g (1 IEU/ μ g) 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 μ g/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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