

Recombinant Human SEMA5A Protein

Catalog #	Source	Reactivity	Applications
CRP2264	Human cells	Human	E, WB, SDS-PAGE, MS

Description	Recombinant Human SEMA5A Protein is produced by our Mammalian expression system and the target gene encoding Glu23-Thr765 is expressed with a 6His tag at the C-terminus.
Form	Lyophilized from a 0.2 μM filtered solution of 20mM PB, 150mM NaCl, 0.1mM EDTA, 0.05% Tween 20, pH 7.2
Gene Symbol	SEMA5A
Alternative Names	SEMAF; Semaphorin-5A; Semaphorin-F; Sema F
Entrez Gene	9037 (Human)
SwissProt	Q13591 (Human)
Purity	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.
Chemical Structure	EAQGTTQCQR TEHPVISYKE IGPWLREFRA KNAVDFSQLT FDPGQKELVV GARNYLFRLQ LEDLSLIQAV EWECDEATKK ACYSKGKSKE ECQNYIRVLL VGGDRLFTCG TNAFTPVCTN RSLSNLTEIH DQISGMARCP YSPQHNSAL LTAGGELYAA TAMDFPGRDP AIYRSLGILP PLRTAQYNSK WLNPNFVSS YDIGNFTYFF FRENAVEHDC GKTVFSRAAR VCKNDIGGRF LLEDTWTTFM KARLNCSRPG EVPFYNELQ STFFLPELDL IYGIFTTNVN SIAASAVCVF NLSAIAQAFS GPFKYQENSR SAWLPYPNPN PHFQCGTVDQ GLYVNLTERN LQDAQKFILM HEVVQPVTTV PSFMEDNSRF SHVAVDVVQG REALVHIIYL ATDYGTIKKV RVPLNQTSSS CLLEEIELFP ERRREPIRSL QILHSQSVLF VGLREHVVKI PLKRCQFYRT RSTCIGAQDP YCGWDVVMKK CTSLEESLSM TQWEQSISAC PTRNLTVDGH FGVWSPWTPC THTDGSAVGS CLCRTRSCDS PAPQCGGWQC EPGMEIANC SRNGGWTPWT SWSPCSTTCG IGFAQVRQRSC SNPTPRHGGR VCVGQNREER YCNEHLLCPP

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

HMFWTGWGPW ERCTAQCGGG IQARRRICEN GPDCAGCNVE YQSCNTNPCP

ELKKTTPWTP WTPVNISDNG GHYEQRFRYT CKARLADPNL LEVGRQRIEM RYCSSDGTSG

CSTLDHHHHH 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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