

Recombinant Human SEMA3A Protein

Catalog #	Source	Reactivity	Applications
CRP2254	Human cells	Human	E, WB, SDS-PAGE, MS

Description Recombinant Human SEMA3A Protein is produced by our mammalian expression system and the target gene encoding Asn21-Val771 is expressed with a 6His tag at the C-terminus.

Form Liquid in a 0.2 µM filtered solution of 20mM Tris, 150mM NaCl, 1mM EDTA, 20%Glycerol, pH8.0.

Gene Symbol SEMA3A

Alternative Names SEMAD; Semaphorin-3A; Semaphorin III; Sema III

Entrez Gene 10371 (Human)

SwissProt Q14563 (Human)

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

Chemical Structure NYQNGKNNVP RLKLSYKEML ESNNVITFNG LANSSSYHTF LLDEERSRLY VGAKDHIFSF DLVNIKDFQK IVWPVSYTRR DECKWAGKDI LKECANFIKV LKAYNQTHLY ACGTGAFHPI CTYIEIGHHP EDNIFKLENS HFENGRGKSP YDPKLLTASL LIDGELYSGT AADFMGRDFA IFRTLGHHPH IRTEQHDSRW LNDPKFISAH LISESDNPED DKVYFFFREN AIDGEHSGKA THARIGQICK NDFGGHRSLV NKWTTFLKAR LICSVPGPNG IDTHFDELQD VFLMNFKDPK NPVVYGVFTT SSNIFKGS AV CMYSMSDVRR VFLGPYHRD GPNYQWVPYQ GRVPYPRPGT CPSKTFGGFD STKDLPDDVI TFARSHPAMY NPVFPMMNRP IVIKTDVNYQ FTQIVVDRVD AEDGQYDVMF IGTDVGTVLK VVSIPKETWY DLEEVLEEM TVFREPTAIS AMELSTKQQQ LYIGSTAGVA QLPLHRCDIY GKACAECCLA RDPYCAWDGS ACSRYFPTAK RATTRAQDIRN GDPLTHCSDL HHDNHHGHSP EERIIYGVEN SSTFLECS PK SQRALVYWQF QRRNEERKEE IRVDDHIIRT DQGLLLRSLQ QKDSGNYLCH AVEHGFIQTL LKVTLEVIDT EHLEELLHKD

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

DDGDGSKTKE MSNSMTPSQK VWYRDFMQLI NHPNLNTMDE FCEQVWKRDR

KQRRQRPGHT PGNSNKWKHL QENKKGRNRR THEFERAPRS VHHHHHH

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. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Storage/Stability

Store it at -20°C to -80°C for one year.

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