

Recombinant COVID-19 S1 Protein

Catalog #	Source	Reactivity	Applications
CRP3101	Human cells	COVID-19	E, WB, SDS-PAGE, MS

Description Recombinant COVID-19 S1 Protein is produced by mammalian expression system and the target gene encoding Val16-Arg685 is expressed with a 6His tag at the C-terminus.

Form Liquid in a 0.2 µm filtered solution of PBS, pH 7.4.

Gene Symbol

Alternative Names S1 protein; 2019-nCoV S1 protein; coronavirus S1 Protein; cov S1 Protein

Entrez Gene QHD43416.1

SwissProt

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

Chemical Structure VNLTTRTQLP PAYTNSFTRG VYYPDKVFRS SVLHSTQDLF LPFFSNVTWF HAIHVSGTNG
 TKRFDNPVLP FNDGVYFAST EKSNIIRGWI FGTTLDSKTQ SLLIVNNATN VVIKVCFEQF
 CNDPFLGVYY HKNNKSWMES EFRVYSSANN CTFEYVSQPF LMDLEGKQGN FKNLREFVFK
 NIDGYFKIYS KHTPINLVRD LPQGFSALEP LVDLPIGINI TRFQTLALH RSYLTPGDSS
 SGWTAGAAAY YVGYLQPRTF LLKYNENGTI TDAVDCALDP LSETKCTLKS FTVEKGIYQT
 SNFRVQPTES IVRFPNITNL CPFGEVFNAT RFASVYAWNR KRISNCVADY SVLYNSASF
 TFKCYGVSPT KLNDLCFTNV YADSFVIRGD EVRQIAPGQT GKIADYNYKL PDDFTGCVIA
 WNSNNLDSKV GGNYNLYRL FRKSNLKPFE RDISTEIQQA GSTPCNGVEG FNCYFPLQSY
 GFQPTNGVGY QPYRVVLSF ELLHAPATVC GPKKSTNLVK NKCWNFNFNNG LTGTGVLTES
 NKKFLPFQQF GRDIADTTDA VRDPQTLEIL DITPCSFGGV SVITPGTNTS NQVAVLYQDV
 NCTEVPVAIH ADQLTPTWRV YSTGSNVFQT RAGCLIGAHEH VNNSYECDIP IGAGICASYQ
 TQTNSPRRAR HHHHHH

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	Please minimize freeze-thaw cycles.
Storage/Stability	Store it at -20°C to -80°C for one year. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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