

Recombinant COVID-19 S1 Protein

Catalog #	Source	Reactivity	Applications
CRP3099	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 Gln14-Arg685 is expressed with a Fc 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 QCVNLTTRTQ LPPAYTNSFT RGVYYPDKVF RSSVLHSTQD LFLPFFSNVT WFHAIHVSGT NGTKRFDNPV LPFNDGVYFA STEKSNIIRG WIFGTTLDSK TQSLIVNNA TNVVIKVFCE QFCNDPFLGV YYHKNNKSWM ESEFRVYSSA NNCTFEYVSQ PFLMDLEGKQ GNFKNLREFV FKNIDGYFKI YSKHTPINLV RDLPPQGFSALEPLVDLPIGI NITRFQTLA LHRSYLTPGD SSSGWTAGAA AYYVGYLQPR TFLLYNENG TITDAVDCAL DPLSETKCTL KSFTVEKGIY QTSNFRVQPT ESIVRFPNIT NLCPFGEVFN ATRFASVYAW NRKRISNCVA DYSLVLYNSAS FSTFKCYGVS PTKLNDLCFT NVYADSFVIR GDEVRQIAPG QTGKIADYNY KLPDDFTGCV IAWNSNNLDS KVGGNYNLY RLFKSNLKP FERDISTEYI QAGSTPCNGV EGFNCYFPLQ SYGFQPTNGV GYQPYRVVVL SFELLHAPAT VCGPKKSTNL VKNKCVNFNF NGLTGTGVLV ESNKKFLPFQ QFGRDIADTT DAVRDPQTL EILDITPCSFG GVSVITPGTN TSNQVAVLYQ DVNCTEVPVA IHADQLTPTW RVYSTGSNVF QTRAGCLIGA EHVNNSYECD IPIGAGICAS YQTQTNSPRR ARVDDIEGRM DEPKSCDKTH TCPPCPAPEL LGGPSVFLFP PKPKDTLMIS

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

RTPEVTCVVV DVSHEDPEVK FNWYVDGVEV HNAKTKPREE QYNSTYRVVS VLTVLHQDWL
NGKEYKCKVS NKALPAPIEK TISKAKGQPR EPQVYTLPPS REEMTKNQVS LTCLVKGFYP
SDIAVEWESN GQPENNYKTT PPVLDSGGSF FLYSKLTVDK SRWQQGNVFS CSVMHEALHN
HYTQKSLSL S PGK

Quality Control

Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) 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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