

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 (COVID-19)		
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 RDLPPQGFSA EPLVDLP IGI NITRFQTLLA LHRSYLTPGD SSSGWTAGAA AYYVGYLQPR TFLLYKNENG TITDAVDCAL DPLSETKCTL KSFTVEKGIY QTSNFRVQPT ESIVRFPNIT NLCPFGEVFN ATRFASVYAW NRKRISNCVA DYSLVLYNSAS FSTFKCYGVS PTKLNDLCFT NVYADSFVIR GDEVRQIAPG QTGKIADYNY KLPDDFTGCV IAWNSNNLDS KVGGNYNLY RLFRKSNLKP FERDISTEYI QAGSTPCNGV EGFNCYFPLQ SYGFQPTNGV GYQPYRVVVL SFELLHAPAT VCGPKKSTNL VKNKCVNFNF NGLTGTGVL ESNKKFLPFQ QFGRDIADTT DAVRDPQTL EILDITPCSFG GVSVITPGTN TSNQVAVLYQ DVNCTEVPVA IHADQLTPTW RVYSTGSNVF QTRAGCLIGA EHVNSYECD 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 PPVLDSDGSF FLYSKLTVDK SRWQQGNVFS CSVMHEALHN
HYTQKSLSL PGK

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. Please aliquot the reconstituted solution to 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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