

Product Data Sheet

Recombinant COVID-19 S1 Protein

Catalog #	Source	Reactivity	Applications
CRP3100	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.		
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 WFHAIHVSQT NGTKRFDNPV LPFNDGVYFA STEKSNIIRG WIFGTTLDSK TQSLIVNNA TNVVIKVCEF QFCNDPFLGV YYHKNNKSWM ESEFRVYSSA NNCTFEYVSQ PFLMDLEGKQ GNFKNLREFV FKNIDGYFKI YSKHTPINLV RDLPGQFSAL EPLVDLPIGI NITRFQTLA LHRSYLTPGD SSSGWTAGAA AYYVGYLQPR TFLLKYNENG TITDAVDCAL DPLSETKCTL KSFTVEKGIY QTSNFRVQPT ESIVRFPNIT NLCPFGEVFN ATRFASVYAW NRKRISNCVA DYSLVLYNSAS FSTFKCYGVS PTKLNDLCFT NVYADSFVIR GDEVQRQIAPG QTGKIADYNY KLPDDFTGCV IAWNSNNLDS KVGGNYNYLY RLFRKSNLKP FERDISTEYI QAGSTPCNGV EGFNCYFPLQ SYGFQPTNGV GYQPYRVVVL SFELLHAPAT VCGPKKSTNL VKNKCVNFNF NGLTGTGVL ESNKKFLPFQ QFGRDIADTT DAVRDPQTL EILDITPCSFG GVSIVTPGTN TSNQVAVLYQ DVNCTEVPVA IHADQLTPTW RVYSTGSNVF QTRAGCLIGA EHVNNSEYCD IPIGAGICAS YQTQTNSPRR AR		
Quality Control	Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.		
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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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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