

## Recombinant COVID-19 S Protein RBD-SD1

Catalog #	Source	Reactivity	Applications
CRP3097	Human cells	COVID-19	E, WB, SDS-PAGE, MS
<b>Description</b>	Recombinant COVID-19 S Protein RBD-SD1 is produced by mammalian expression system and the target gene encoding Arg319-Ser591 is expressed with a 6His tag at the C-terminus.		
<b>Form</b>	Liquid in a 0.2 µm filtered solution of PBS, pH 7.4.		
<b>Gene Symbol</b>			
<b>Alternative Names</b>	2019-nCov RBD Protein; 2019-nCoV Spike RBD Protein		
<b>Entrez Gene</b>	QHD43416.1		
<b>SwissProt</b>			
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE.		
<b>Chemical Structure</b>	RVQPTESIVR FPNITNLCPF GEVFNATRFA SVYAWNRRKRI SNCVADYSVL YNSASFSTFK CYGVSPTKLN DLCFTNVYAD SFVIRGDEV R QIAPGQTGKI ADYNYKLPDD FTGCVIAWNS NNLDKVGGN YNYLYRLFRK SNLKPFRDI STEIQAGST PCNGVEGFNC YFPLQSYGFQ PTNGVGYQPY RVVVLSFELL HAPATVCGPK KSTNLVKNKC VNFNFNGLTG TGVLTESNKK FLPFQQFGRD IADTTDAVRD PQTLEILDIT PCSHHHHHH		
<b>Quality Control</b>	Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.		
<b>Directions for Use</b>	Please minimize freeze-thaw cycles.		
<b>Storage/Stability</b>	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.		

**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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