

COVID 19 Spike S1 Coronavirus Recombinant Protein | COVID-19 recombinant protein

Spike S1 Protein (SARS-CoV-2), C-terminal his-tag, HEK293 cells

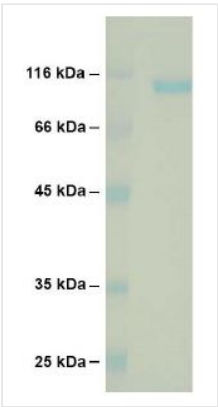
CATALOG # AAA62215	APPLICATIONS ELISA, Western Blot
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PRODUCT SYNONYMS

COVID 19 Spike S1 Coronavirus; Spike S1 Protein (SARS-CoV-2); C-terminal his-tag; HEK293 cells; 2019 Novel Coronavirus; Coronavirus; CoV; COVID-19 virus; HCoV-2; Human Coronavirus 2019; SARS2; SARS-CoV-2; Severe acute respiratory syndrome coronavirus 2; Spike S1; C-terminal; his tag; COVID-19 recombinant protein

PRODUCT SPECIFICATIONS

Purity/Purification	>= 95% (by SDS PAGE)
Concentration	1 ug/ul in PBS, pH7.4 (varies by lot)
Sequence Positions	19-676
Sequence	TTRTQLPPAY TNSFTRGVYY PDKVFRSSVL HSTQDLFLPF FSNVTWFHAI HVSGTNGTKR FDNPVLPFND GVYFASTEKS NIIRGWIFGT TLDSTQSLI IVNNATNVI KVCEQFCND PFLGVYYKNN KSWMESEFRV YSSANNCTFE YVSQPFLMDL EGKQGNFKNL REFVFNIDG YFKIYSKHTP INLVRDLPQG FSALEPLVDL PIGINITRFQ TLLALHRSYL TPGDSSSGWT AGAAAYYVGY LQPRFLLKYN ENGTITDAVD CALDPLSETK CTLKSFTVEK GIYQTSNFRV QPTESIVRFP NITNLCPFGE VFNATRFASV YAWNRRKRISN CVADYSVLYN SASFSTFKCY GVSPTKLNDL CFTNVYADSF VRGDEVQRQA PGQTGKIADY NYKLPDDFTG CVAWNSNNL DSKVGGNYY LYRLFRKSNL KPFERDISTE IYQAGSTPCN GVEGFNCYFP LQSYGFQPTN GVGYPYRVV VLSFELLHAP ATVCGPKKTN LVKNKCVNFN ENGLTGTGVL TESNKKFLPF QFGRDIADT TDAVRDPQTL EILDITPCSF GGVSIVTPGT NTSNQVAVLY QDVNCTEVPV AIHADQLTPT WRVYSTGSNV FQTRAGCLIG AEHVNSYECD IPIGAGICAS YQTHHHHHH
Applicable Applications for COVID-19 recombinant protein	ELISA, WB (Western Blot)
Endotoxin Level	<0.01 EU per 1 ug of the protein by LAL test
Viral Protein	S1 protein (amino acid 19-676) of human SARS-CoV-2 (GenBank Accession No. MN908947) with a C-terminal poly his-tag
Preparation and Storage	Store at -20 degree C; maybe stable for 6-months from the date of shipment when kept at 4 degree C. Non-hazardous. No MSDS required.



SDS-PAGE
SDS-PAGE: purified spike S1 protein (SARS-CoV-2/COVID-19)

ADDITIONAL INFORMATION

Related Product Information for COVID-19 recombinant protein	Recombinant spike S1 protein of SARS-CoV-2 purified from 293 cells Spike S1 Protein (SARS-CoV-2/COVID-19) The novel coronavirus (SARS-CoV-2), previously called 2019-nCoV, is a newly identified coronavirus causing the ongoing outbreak of atypical pneumonia in Wuhan China from late 2019. The genome of SARS-CoV-2 has 89% nucleotide identity with bat SARS-like-CoVZXC21 and 82% with that of human SARS-CoV. The phylogenetic trees of their orf1a/b, Spike, Envelope, Membrane and Nucleocapsid protein also clustered closely with those of the bat, civet and human SARS coronaviruses. However, the external subdomain of Spike's receptor binding domain (RCB) of SARS-CoV-2 shares only 40% amino acid identity with other SARS-related coronaviruses.
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.