

COVID 19 Spike S1 Protein (UK Variant B.1.1.7) Coronavirus Recombinant Protein | COVID-19 recombinant protein

Spike S1 Protein (SARS-CoV-2 UK Variant B.1.1.7)

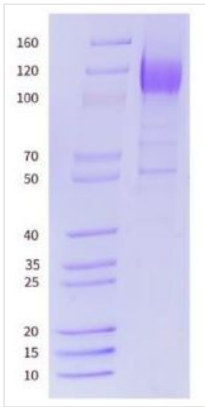
CATALOG # AAA62225	HOST HEK293 Cells	APPLICATIONS ELISA, Western Blot
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PRODUCT SYNONYMS

COVID 19 Spike S1 Protein (UK Variant B.1.1.7) Coronavirus; Spike S1 Protein (SARS-CoV-2 UK Variant B.1.1.7); 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 Protein (UK Variant B.1.1.7); COVID-19 recombinant protein

PRODUCT SPECIFICATIONS

Host	HEK293 Cells
Purity/Purification	>= 95% (SDS-PAGE)
Form/Format	50 ug in PBS, pH7.4
Concentration	50 ug in PBS, pH7.4 (varies by lot)
Sequence Positions	16-683
Sequence	VNLTTRTQLP PAYTNSFTRG VYYPDKVFRS SVLHSTQDLF LPFFSNVTWF HAISGTNGTK RFDNPVLPFN DGVYFASTEK SNIIRGWIFG TTLDSKTQSL LIVNNATNVV IKVCEQFCN DPFLGVYKNN KSWMESEFRV YSSANNCTFE YVSQPFLMDL EGKQGNFKNL REFVFNKIDG YFKIYSKHTP INLVRDLPQG FSALEPLVDL PIGINITRFQ TLLALHRSYL TPGDSSSGWT AGAAAYYVGY LQPRFLLKYN ENGTITDAVD CALDPLSETK CTLKSFTVEK GIYQTSNFRV QPTESIVRFP NITNLCPFGE VFNATRFASV YAWNRRKRISN CVADYSVLYN SASFSTFKCY GVSPTKLNDL CFTNVYADSF VRGDEVQRQA PGQTGKIADY NYKLPDDFTG CVAWNSNNL DSKVGGNYNY LYRLFRKSNL KPFERDISTE IYQAGSTPCN GVEGFNCYFP LQSYGFQPTY GVGYPYRVV VLSFELLHAP ATVCGPKKTN LVKNKCVNFN FNGLTGTGVL TESNKKFLPF QQFGRDIDDT TDAVRDPQTL EILDITPCSF GGVSVITPGT NTSNQVAVLY QGVNCTEVPV AIHADQLTPT WRVYSTGSNV FQTRAGCLIG AEHVNSYECD IPIGAGICAS YQTQTNPRR ARHHHHHHHH
Applicable Applications for COVID-19 recombinant protein	ELISA, WB (Western Blot)
Source Note	HEK-293 expressed recombinant SARS-CoV-2 S1 protein of the UK variant B.1.1.7
Viral Protein	SARS-CoV-2 S1 protein (amino acid 16-683) of the UK variant B.1.1.7 (GenBank Accession No. MW422256) with a C-terminal poly his-tag
Endotoxin	<0.01 EU per ug of purified protein by LAL test
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store at -20 degree C; 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 SARS-CoV-2 S1 protein of the UK variant

ADDITIONAL INFORMATION

Related Product Information for COVID-19 recombinant protein

C-terminal His-tagged, HEK293 expressed.
C-terminal his-tagged recombinant SARS-CoV-2 S1 protein (aa 16-683) of the UK variant B.1.1.7 (GenBank Accession No. MW422256)

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 (RBD) of SARS-CoV-2 shares only 40% amino acid identity with other SARS-related coronaviruses.

Recombinant SARS-CoV-2 S1 protein of the UK variant B.1.1.7 purified from 293 cells

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.