

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

Spike RBD (SARS-CoV-2) protein, 6xhis-tag

CATALOG # AAA62092	HOST HEK293 cells	APPLICATIONS ELISA, Western Blot
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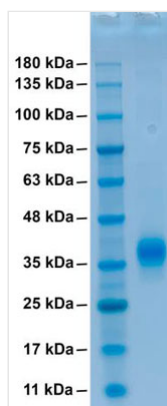
PRODUCT SYNONYMS

COVID 19 Spike RBD Coronavirus; Spike RBD (SARS-CoV-2) protein; 6xhis-tag; 2019 Novel Coronavirus; Coronavirus; CoV; COVID-19 virus; HCoV-2; Human Coronavirus 2019; SARS2; SARS-CoV-2; Severe acute respiratory syndrome coronavirus 2; Spike RBD; Receptor Binding Domain; COVID-19 recombinant protein

PRODUCT SPECIFICATIONS

Host	HEK293 cells
Purity/Purification	>=95% (SDS-PAGE)
Concentration	1ug/ul in PBS (varies by lot)
Sequence	<u>SpikeRB D(aa319-54 1)Protein(SARS-CoV-2)SEQ:< br>RVQ PTESIVRFPN ITNLCPFGEV FNATRFASVY AWRNRKISNC VADYSVLVNS ASFSTFKCYG VSPTKLNDLC FTNVYADSFV IRGDEVQRQA PGQTGKIADY NYKLPDDFTG CVAWNSNNL DSKVGGNYNY LYRLFRKSNL KPFERDISTE IQAGSTPCN GVEGFNCYFP LQSYGFQPTN GVGYPYRVV VLSFELLHAP ATVCGPKKST NLVKNKCVNF HHHHHHHH</u>
Applicable Applications for COVID-19 recombinant protein	ELISA, WB (Western Blot)
Source	Glycosylated recombinant viral protein expressed and purified from HEK293 cells
Endotoxin Level	<0.01 EU per 1ug of the protein by LAL test
Viral Protein	Spike RBD domain protein (amino acid 319-541) of human SARS-CoV-2 (GenBank No. MN908947) with a C-terminal 6xHis-tag
Preparation and Storage	Store at -20°C Stable for 6-months from the date of shipment when kept at 4°C. Non-hazardous. No MSDS required.

IMAGES



SDS-PAGE

SDS-PAGE: purified recombinant spike RBD protein of SARS-CoV-2

ADDITIONAL INFORMATION

Related Product Information for COVID-19 recombinant protein	Recombinant RBD domain of SARS-CoV-2 spike protein expressed and purified from HEK293 cells. The binding activity has been tested using human ACE2 protein in a functional ELISA assay. Introduction: The novel corona virus (SARS-CoV-2), previously called 2019-nCoV, is a newly identified corona virus causing the ongoing outbreak of a typical 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 Nucleoprotein 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.
Product Categories/Family for COVID-19 recombinant protein	Viral Recombinant Proteins; Corona virus

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.

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Online datasheet: <https://stage.aaabiotech.com/covid-19-spike-rbd-coronavirus-recombinant-protein-hek293-cells-elisa-wb-western-blot/62092>