

COVID 19 Spike Protein, Biotinylated (RBD-SD1, Avi) Coronavirus Active Protein | COVID-19 active protein

Recombinant 2019-nCoV Spike Protein (RBD-SD1, Avi-His Tag)(Active)

CATALOG #

AAA22155

HOST

HEK293 Cells

PRODUCT SYNONYMS

COVID 19 Spike Protein; Biotinylated (RBD-SD1; Avi) Coronavirus; Recombinant 2019-nCoV Spike Protein (RBD-SD1; Avi-His Tag)(Active); 2019 Novel Coronavirus; Coronavirus; CoV; COVID-19 virus; HCoV-2; Human Coronavirus 2019; SARS2; SARS-CoV-2; Severe acute respiratory syndrome coronavirus 2; Recombinant 2019-nCoV Spike Protein; Avi-His Tag); 2019-nCoV S RBD Protein; 2019-nCoV RBD Protein; Receptor Binding Domain; COVID-19 active protein

PRODUCT SPECIFICATIONS

Host	HEK293 Cells
Purity/Purification	> 95 % as determined by reducing SDS-PAGE.
Form/Format	Supplied as a 0.2 uM filtered solution of PBS, pH 7.4.
Concentration	2.1 mg/mL (varies by lot)
Species	SARS-CoV-2
Sequence	Arg319-Ser591
Tag	C-Avi-6His
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	Ships on Dry Ice. Store immediately at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for COVID-19 active protein

The spike (S) glycoprotein of coronaviruses is known to be essential in the binding of the virus to the host cell at the advent of the infection process. Most notable is severe acute respiratory syndrome (SARS). The severe acute respiratory syndrome coronavirus (SARS-CoV) spike (S) glycoprotein alone can mediate the membrane fusion required for virus entry and cell fusion. It is also a major immunogen and a target for entry inhibitors. It's been reported that 2019-nCoV can infect the human respiratory epithelial cells through interaction with the human ACE2 receptor. The spike protein is a large type I transmembrane protein containing two subunits, S1 and S2. S1 mainly contains a receptor binding domain (RBD), which is responsible for recognizing the cell surface receptor. S2 contains basic elements needed for the membrane fusion. The S protein plays key parts in the induction of neutralizing-antibody and T-cell responses, as well as protective immunity.

NCBI AND UNIPROT INFORMATION

NCBI GI #	1791269090
UniProt Accession #	QHD43416.1
Molecular Weight	Molecular Mass: 33.2 kDa Actual Protein Molecular Mass: 38-45 kDa
NCBI Official Full Name	surface glycoprotein

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/hek293-cells-covid-19-active-protein/covid-19-spike-protein-biotinylated-rbd-sd1-avi-coronavirus/22155>