

COVID 19 Spike S1 Protein Coronavirus Active Protein | COVID-19 active protein

Recombinant 2019-nCoV Spike S1 Protein with His tag and Avi

CATALOG #
AAA281524

HOST
HEK293 Cells

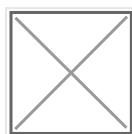
PRODUCT SYNONYMS

COVID 19 Spike S1 Protein Coronavirus; Recombinant 2019-nCoV Spike S1 Protein with His tag and Avi; 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; His tag and Avi; COVID-19 active protein

PRODUCT SPECIFICATIONS

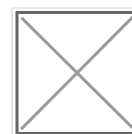
Host	HEK293 Cells
Purity/Purification	>95% by SDS-PAGE.
Form/Format	Lyophilized from a 0.22 um filtered solution of PBS, pH 7.4.
Species	2019-nCoV
Tag Information	6×His tag and Avi at the C-terminus
Endotoxin	< 1.0 EU/ug of the protein by LAL method.
Reconstitution	Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water
Preparation and Storage	Store the lyophilized protein at -20 degree C to -80 degree C for long term. After reconstitution, the protein solution is stable at -20 degree C for 3 months, at 2-8 degree C for up to 1 week.

IMAGES



Bioactivity

Measured by its binding ability in a functional ELISA. Immobilized nCoV-S1 at 0.5?g/mL (100 L/well) can bind Recombinant Human ACE2 with a linear range of 0.06-0.25ug/mL



SDS-PAGE

Recombinant 2019-nCoV Spike S1 protein on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

ADDITIONAL INFORMATION

Related Product Information for COVID-19 active protein

Recombinant 2019-nCoV Spike S1 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Gln14-Arg683) of 2019-ncov Spike S1 (Accession #YP_009724390.1) fused with a 6×His tag and Avi at the C-terminus.

The spike protein (S) of coronavirus (CoV) attaches the virus to its cellular receptor, angiotensin-converting enzyme 2 (ACE2). A defined receptor-binding domain (RBD) on S mediates this interaction. 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 GeneID

[43740568](#)

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-s1-protein-coronavirus/281524>