

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

2019 nCoV/COVID19 Spike protein S1 Recombinant-His

CATALOG #	HOST
AAA76120	N/A (Host protein expression may be lot-specific and can be subject to change during production, including bulk orders)

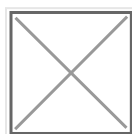
PRODUCT SYNONYMS

COVID 19 Spike S1 Coronavirus; 2019 nCoV/COVID19 Spike protein S1 Recombinant-His; 2019 Novel Coronavirus; Coronavirus; CoV; COVID-19 virus; HCoV-2; Human Coronavirus 2019; SARS2; SARS-CoV-2; Severe acute respiratory syndrome coronavirus 2; Spike protein S1 His; COVID-19 active protein

PRODUCT SPECIFICATIONS

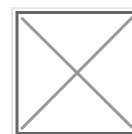
Host	N/A (Host protein expression may be lot-specific and can be subject to change during production, including bulk orders)
Purity/Purification	> 90% by SDS-PAGE.
Form/Format	Lyophilized from sterile solution of pH7.4
Host Note	DNA sequence encoding extracellular fragment[16-675] of NCOV Spike S1 [accession# QIC53204.1] was expressed in HEK cells.
Endotoxin	Less than 1EU/ug as determined by LAL method.
Preparation and Storage	Lyophilized store at -20°C for 24 months. Lyophilized store at ambient temperature for 3 weeks. Reconstituted store at -20°C for 12 months. Reconstituted store at 2-8°C for 3 weeks. For long term storage we recommend the addition of carrier protein at 0.1%. Avoid repeated freeze/thaw cycles.

IMAGES



Bioactivity

The activity was determined by immobilized Spike Protein S1 binding with human ACE2 in a functional ELISA assay, the ED50 was determined to be 3.8nM. 2019-ncov S1-his tagged (coating at 0.5ug-well) binding with Human ACE2-Fc (cat. The linear range was found to be 0.1-5 ug/ml)



SDS-PAGE

The recombinant S1-His protein migrates as 120kDa due to glycosylation

ADDITIONAL INFORMATION

Related Product Information for COVID-19 active protein

Recombinant NCOV1 S1 encodes the NCOV spike glycoprotein S1 sequence. This molecule has a calculated mass of approximately 100kDa. Recombinant S1 contains an C-Terminal polyHis purification tag and migrates due to glycosylation as an approximately 120 kDa protein under conditions in SDS-PAGE.

NCBI AND UNIPROT INFORMATION

Molecular Weight

Recombinant NCOV S1 encodes the NCOV spike glycoprotein S1 sequence . This molecule has a calculated mass of approximately 90kDa. Recombinant S1 migrates due to glycosylation as an approximately 120 kDa protein under reducing conditions in SDS-PAGE.

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/covid-19-active-protein/covid-19-spike-s1-coronavirus/76120>