

COVID 19 Spike glycoprotein (S) Coronavirus Active Protein | COVID-19 active protein

Recombinant Human Novel Coronavirus Spike glycoprotein (S), partial

CATALOG #
AAA243745

HOST
E Coli or Yeast or Baculovirus or Mammalian Cell

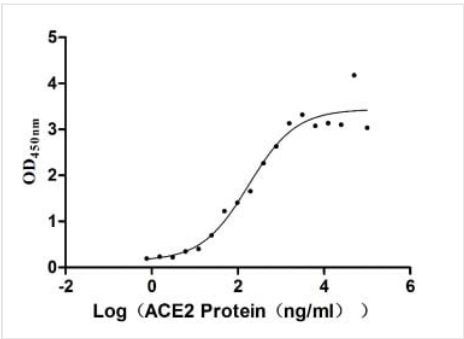
PRODUCT SYNONYMS

COVID 19 Spike glycoprotein (S) Coronavirus; Recombinant Human Novel Coronavirus Spike glycoprotein (S); partial; 2019 Novel Coronavirus; Coronavirus; CoV; COVID-19 virus; HCoV-2; Human Coronavirus 2019; SARS2; SARS-CoV-2; Severe acute respiratory syndrome coronavirus 2; Spike glycoprotein (S); S; S1-RBD; Receptor Binding Domain; COVID-19 active protein

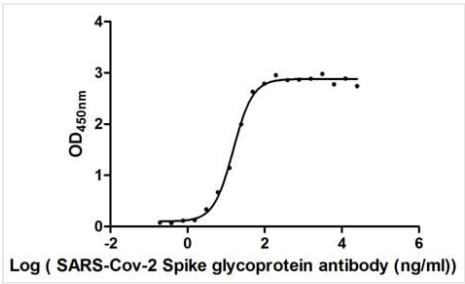
PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	319-541aa, partial
Sequence	RVQPTESIVR FPNITNLCPF GEVFNATRFA SVYAWNKRRI SNCVADYSVL YNSASFSTFK CYGVSPTKLN DLCFTNVYAD SFVIRGDEVIR QIAPGQTGKI ADYNYKLPDD FTGCVIAWNS NNLDKVGGN YNYLYRLFRK SNLKPFERDI STEIQAGST PCNGVEGFNC YFPLQSYGFQ PTNGVGYQPY RVVVLSFELL HAPATVCGPK KSTNLVKNKC VNF
Species	Human Novel Coronavirus (SARS-CoV-2/ 2019-nCoV)
Tag Information	N-terminal 10xHis-tagged and C-terminal Myc-tagged
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20 degree C/-80 degree C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Biological Activity	(1) Measured by its binding ability in a functional ELISA. Immobilized SARS-CoV-2-S1-RBD at 2 ug/ml can bind SARS-CoV-2-S Antibody, the EC50 of SARS-CoV-2-S1-RBD protein is 27.96 - 33.35 ng/ml. (2) Measured by its binding ability in a functional ELISA. Immobilized SARS-CoV-2-S1-RBD at 2 ?g/ml can bind SARS-CoV-2-S Antibody, the EC50 of SARS-CoV-2-S1-RBD protein is 13.96 -16.62 ng/ml. ?Measured by its binding ability in a functional ELISA. Immobilized SARS-CoV-2-S1-RBD at 5 ug/ml can bind human ACE2, the EC50 of SARS-CoV-2-S1-RBD protein is 115.0 - 274.9 ng/ml.
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

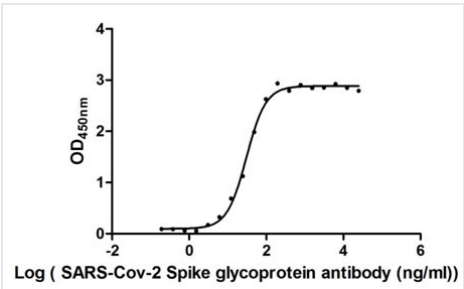
IMAGES



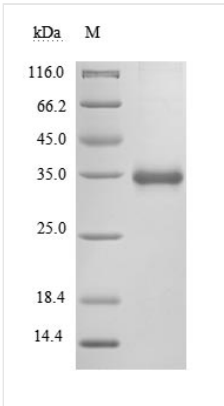
Bioactivity
Measured by its binding ability in a functional ELISA. Immobilized SARS-CoV-2-S1-RBD at 5 ug/ml can bind human ACE2 , the EC50 of SARS-CoV-2-S1-RBD protein is 115.0 - 274.9 ng/ml



Bioactivity
Measured by its binding ability in a functional ELISA. Immobilized SARS-CoV-2-S1-RBD at 2 ?g/ml can bind SARS-CoV-2-S Antibody , the EC50 of SARS-CoV-2-S1-RBD protein is 13.96 - 16.62 ng/ml



Bioactivity
Measured by its binding ability in a functional ELISA. Immobilized SARS-CoV-2-S1-RBD at 2 ?g/ml can bind SARS-CoV-2-S Antibody , the EC50 of SARS-CoV-2-S1-RBD protein is 27.96 - 33.35 ng/ml.



SDS-PAGE
Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel. Predicted band size: 30.1 kDa Observed band size: 35 kDa due to glycosylation

ADDITIONAL INFORMATION

Product Categories/Family for COVID-19 active protein	Microbiology
---	--------------

NCBI AND UNIPROT INFORMATION

UniProt Accession #	P0DTC2
Molecular Weight	30.1 kDa

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/e-coli-or-yeast-or-baculovirus-or-mammalian-cell-covid-19-active-protein/covid-19-spike-glycoprotein-s-coronavirus/243745>