

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

Recombinant Human Novel Coronavirus Spike glycoprotein (S)(N501Y), partial (Active)

CATALOG #
AAA278917

HOST
Mammalian Cell

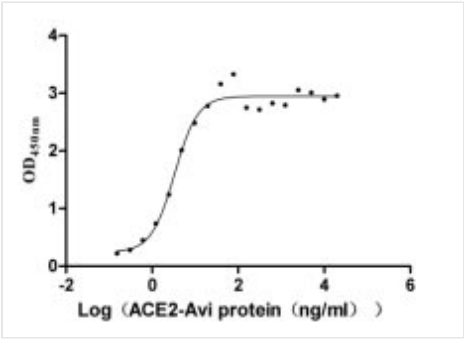
PRODUCT SYNONYMS

COVID 19 Spike glycoprotein (S) Coronavirus; Recombinant Human Novel Coronavirus Spike glycoprotein (S)(N501Y); partial (Active); 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); COVID-19 active protein

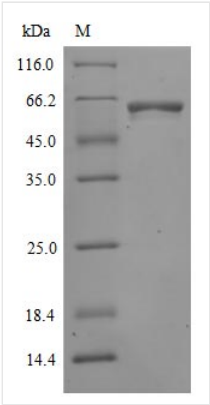
PRODUCT SPECIFICATIONS

Host	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(N501Y), Partial
Sequence	RVQPTESIVR FPNITNLCPF GEVFNATRFA SVYAWNKRRI SNCVADYSVL YNSASFSTFK CYGVSPSTKLN DLCFTNVYAD SFVIRGDEV R QIAPGQTGKI ADYNYKLPDD FTGCVIAWNS NNLD SKVGN YNYLYRLFRK SNLKPFERDI STEIQAGST PCNGVEGFNC YFPLQSYGFQ PTYGVGYQPY RVVVLSFELL HAPATVCGPK KSTNLVKNKC VNF
Species	Severe acute respiratory syndrome coronavirus 2 (2019-nCoV)(SARS-CoV-2)
Endotoxin	Less than 1.0EU/ug as determined by LAL method.
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	Measured by its binding ability in a functional ELISA. Immobilized SARS-CoV-2-S1-RBD (N501Y) at 2ug/mL can bind human ACE2 , the EC50 is 2.492-4.401ng/mL.
Preparation and Storage	Store at -20 degree C. For extended storage, store at -20 or -80 degree C. Repeated freezing and thawing is not recommended. Store working aliquots at 4 degree C for up to one week.

IMAGES



Bioactivity



SDS-PAGE
Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

ADDITIONAL INFORMATION

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

NCBI AND UNIPROT INFORMATION

UniProt Accession #	P0DTC2
Molecular Weight	55.3kDa

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.