

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

Recombinant 2019-nCoV Spike RBD Protein with His tag

CATALOG #
AAA281535

HOST
HEK293 Cells

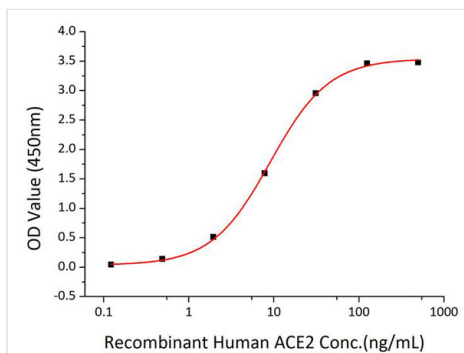
PRODUCT SYNONYMS

COVID 19 Spike RBD Coronavirus; Recombinant 2019-nCoV Spike RBD Protein with His tag; 2019 Novel Coronavirus; Coronavirus; CoV; COVID-19 virus; HCoV-2; Human Coronavirus 2019; SARS2; SARS-CoV-2; Severe acute respiratory syndrome coronavirus 2; Spike RBD; Receptor Binding Domain; COVID-19 active protein

PRODUCT SPECIFICATIONS

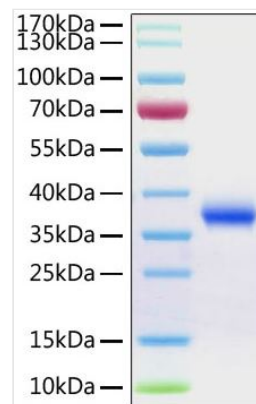
Host	HEK293 Cells
Purity/Purification	> 95% by SDS-PAGE; > 95% by HPLC
Form/Format	Lyophilized from a 0.22 um filtered solution of PBS, pH 7.4 or Supplied as a 0.22 um filtered solution in PBS, pH 7.4.
Sequence	RVQPTESIVR FPNITNLCPF GEVFNATRFA SVYAWNKRRI SNCVADYSVL YNSASFSTFK CYGVSPTKLN DLCFTNVYAD SFVIRGDEV R QIAPGQTGKI ADYNYKLPDD FTGCVIAWNS NNLDSKVGGN YNYLYRLFRK SNLKPFRDI STEIYQAGST PCNGVEGFNC YFPLQSYGFQ PTNGVGYPY RRVVLSFELL HAPATVCGPK KSTNLVKNKC VNF
Tag Information	6×His tag at the C-terminus
Endotoxin	< 0.1 EU/ug of the protein by LAL method.
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized Recombinant 2019-nCoV Spike RBD Protein at 2ug/mL (100 uL/well) can bind Recombinant Human ACE2 with a linear range of 0.12-9.06 ng/mL.
Reconstitution	For lyophilized protein : 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. or This liquid product is stable at <= 70 degree C for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature.

IMAGES



Bioactivity

Immobilized Recombinant 2019-nCoV Spike RBD Protein at 2ug/mL (100 uL/well) can bind Recombinant Human ACE2 with a linear range of 0.12-9.06 ng/mL.



SDS-PAGE

Immobilized Recombinant 2019-nCoV Spike RBD Protein at 2ug/mL (100 uL/well) can bind Recombinant Human ACE2 with a linear range of 0.12-9.06 ng/mL.

ADDITIONAL INFORMATION

Related Product Information for COVID-19 active protein	Recombinant 2019-nCoV Spike RBD Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Arg319-Phe541) of 2019-ncov Spike RBD (Accession #YP_009724390.1) fused with a 6×His tag at the C-terminus.
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NCBI AND UNIPROT INFORMATION

NCBI GeneID	43740568
Molecular Weight	25.9kDa

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-rbd-coronavirus/281535>