

COVID 19 Spike S1 Coronavirus Recombinant Protein | COVID-19 recombinant protein

SARS-CoV-2 (2019-nCoV) Spike S1-His Recombinant Protein (HPLC-verified)

CATALOG #
AAA258309

HOST
HEK293 Cells

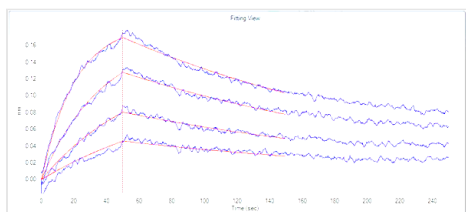
PRODUCT SYNONYMS

COVID 19 Spike S1 Coronavirus; SARS-CoV-2 (2019-nCoV) Spike S1-His Recombinant Protein (HPLC-verified); 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; COVID-19 recombinant protein

PRODUCT SPECIFICATIONS

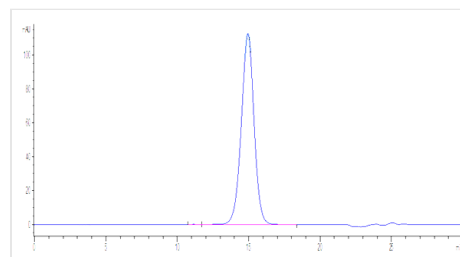
Host	HEK293 Cells
Purity/Purification	>90% as determined by SDS-PAGE. >95% as determined by SEC-HPLC.
Form/Format	Lyophilized from sterile PBS, pH7.4 Normally 5%-8% trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Sequence	Val16-Arg6 85
Species	SARS-CoV-2
Endotoxin	<1.0 EU per ug protein as determined by the LAL method.
Predicted N Terminal	Val16
Tag	C-His
Protein Construction	A DNA sequence encoding the SARS-CoV-2 (2019-nCoV) spike protein S1 Subunit (YP_009724390.1)(Val16-Arg685) was expressed with a polyhistidine tag at the C-terminus.
Activity	1. Measured by its binding ability in a functional ELISA. Immobilized human ACE2 protein (Fc tag)(Cat: 10108-H05H) at 2ug/mL (100uL/well) can bind SARS-CoV-2/2019-nCoV Spike Protein (S1 Subunit, His tag)(40591-V08H), the EC50 of SARS-CoV-2/2019-nCoV Spike Protein (S1 Subunit, His tag)(Cat: 40591-V08H) is 200-600ng/mL.2. Loaded ACE2 Protein, Human, Recombinant (mFc Tag)(Cat. No. 10108-H05H) on AMC Biosensor, can bind SARS-CoV-2 (2019-nCoV) Spike S1-His Recombinant Protein (Cat. No. 40591-V08H) with an affinity constant of 47.7 nM as determined by Octet RED System.
Preparation and Storage	Store it under sterile conditions at -20 degree C to -80 degree C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

IMAGES

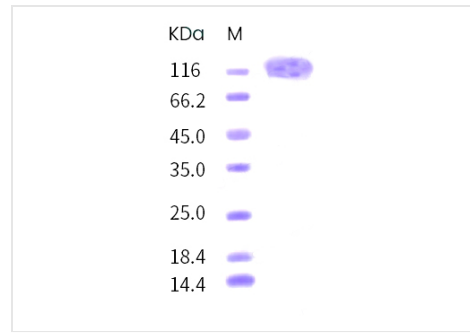
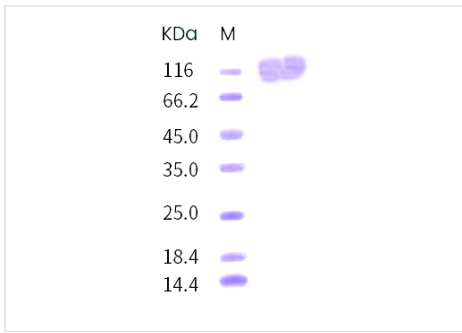


Application Data

Loaded ACE2 Protein, Human, Recombinant (mFc Tag)(Cat. No. 10108-H05H) on AMC Biosensor, can bind SARS-CoV-2 (2019-nCoV) Spike S1-His Recombinant Protein (Cat. No. 40591-V08H) with an affinity constant of 47.7 nM as determined by Octet RED System.



Application Data



Application Data

Measured by its binding ability in a functional ELISA. Immobilized human ACE2 protein (Fc tag)(10108-H05H) at 10ug/mL (100uL/well) can bind 2019-nCoV Spike Protein (S1, His tag)(40591-V08H), the EC50 of 2019-nCoV Spike Protein (S1, His tag)(40591-V08H) is 200-400ng/mL.

Application Data

NCBI AND UNIPROT INFORMATION

Molecular Weight	51.5 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/covid-19-spike-s1-coronavirus-recombinant-protein-hek293-cells/258309>