

COVID 19 Spike S Trimer Coronavirus Active Protein | COVID-19 active protein

SARS COV2 Spike protein S Trimer Recombinant

CATALOG #	HOST
AAA76122	HEK cells (Host protein expression may be lot-specific and can be subject to change during production, including bulk orders)

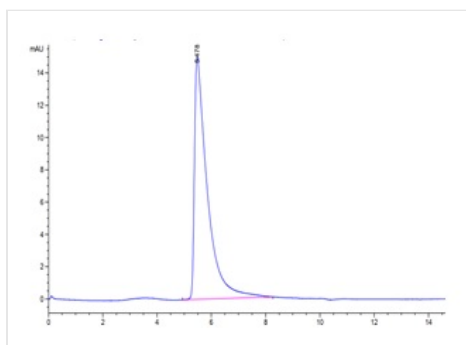
PRODUCT SYNONYMS

COVID 19 Spike S Trimer Coronavirus; SARS COV2 Spike protein S Trimer Recombinant; 2019 Novel Coronavirus; Coronavirus; CoV; COVID-19 virus; HCoV-2; Human Coronavirus 2019; SARS2; SARS-CoV-2; Severe acute respiratory syndrome coronavirus 2; Spike S Trimer; COVID-19 active protein

PRODUCT SPECIFICATIONS

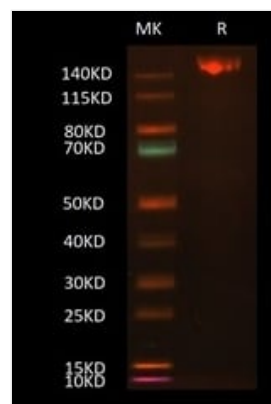
Host	HEK cells (Host protein expression may be lot-specific and can be subject to change during production, including bulk orders)
Purity/Purification	>95%, as determined by SDS-PAGE and HPLC
Form/Format	Lyophilized from sterile solution of pH 7.4
Source Note	DNA sequence encoding the COVID-19 Spike S protein extracellular domain, [16-1188] R683A (accession# QHD43416.1) fused to a T4 Folsom timerzation domain and a c-terminal His AVI tag was expressed in HEK cells.
Biological Activity	The activity was tested by binding Human ACE2 in functional ELISA assay
Reconstitution	A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.
Preparation and Storage	Lyophilized: -20°C for 24 months. Lyophilized: Ambient for up to 3 weeks Reconstituted: -20°C for 12 months. Reconstituted: 2°C to 8°C for up to three weeks. For long term storage we recommend the addition of a carrier protein at 0.1%. Avoid repeated freeze/thaw cycles.

IMAGES



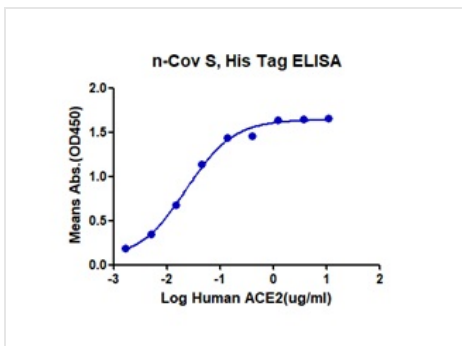
Application Data

The purity of 2019-nCoV Spike S is greater than 95% as determined by SEC-HPLC.



SDS-PAGE

1ug loaded Tris-Bis PAGE under reducing condition. The purity is greater than 95%.



Activity
 2019-ncov S (coating at 0.1ug-well) binding with Human ACE2-Fc (cat. The linear range was found to be 23 ng/ml

NCBI AND UNIPROT INFORMATION

Molecular Weight	Recombinant 2019-nCoV Spike S trimer protein is a protein consisting of the S1+S2 subunits amino acid residues. The protein has a theoretical MW of 140kDa, however due to glycosylation migrates as an approximately 200kDa protein on residues SDS-PAGE.
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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://www.aaabiotech.com/covid-19-active-protein/covid-19-spike-s-trimer-coronavirus/76122>