



[Go to Product page](#)

Datasheet for ABIN6953018

SARS-CoV-2 Spike Protein (His-Avi Tag)

3 Images

Overview

Quantity:	0.5 mg
Target:	SARS-CoV-2 Spike
Origin:	SARS Coronavirus-2 (SARS-CoV-2)
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This SARS-CoV-2 Spike protein is labelled with His-Avi Tag.

Product Details

Characteristics:	DNA sequence encoding the COVID-19 Spike S protein extracellular domain,[16-1188] R683A (accession # QHD43416.1) in 3 replicates including a C-terminal His AVI tag was expressed in HEK Cells.
Purity:	>95 % as determined by SDS-PAGE and HPLC
Endotoxin Level:	Endotoxin content was assayed using a LAL gel clot method. Endotoxin level was found to be less than 0.1 ng/μg(1EU/μg).
Biological Activity Comment:	The activity was tested by binding Human ACE2 in functional ELISA assay

Target Details

Target:	SARS-CoV-2 Spike
Abstract:	SARS-CoV-2 Spike Products
Target Type:	Viral Protein

Target Details

Molecular Weight: 140 kDa

Gene ID: 43740568

UniProt: [P0DTC2](#)

Application Details

Comment: 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 200 kDa protein on reduced SDS-PAGE.

Restrictions: For Research Use only

Handling

Format: Lyophilized

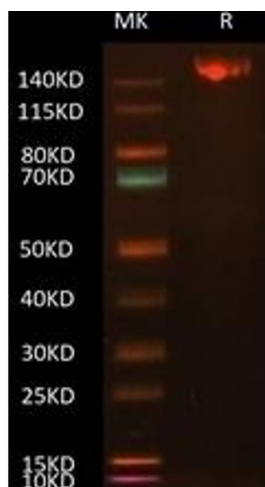
Reconstitution: A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.

Buffer: Recombinant nCoV-2019 Spike S trimer protein was lyophilized from 0.2 µm filtered PBS pH 7.4.

Storage: -20 °C

Storage Comment: The lyophilized protein is stable for at least 2 years from date of receipt at -20° C.

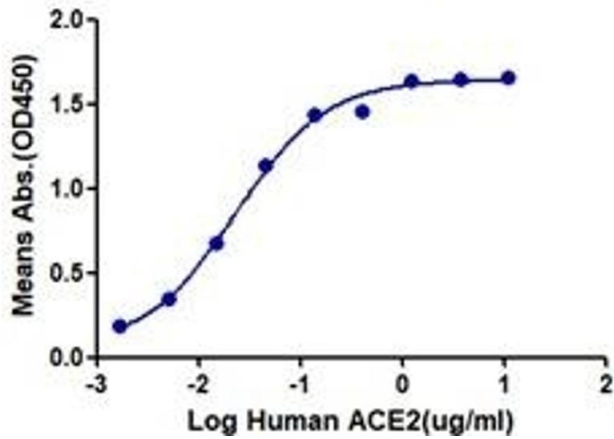
Images



SDS-PAGE

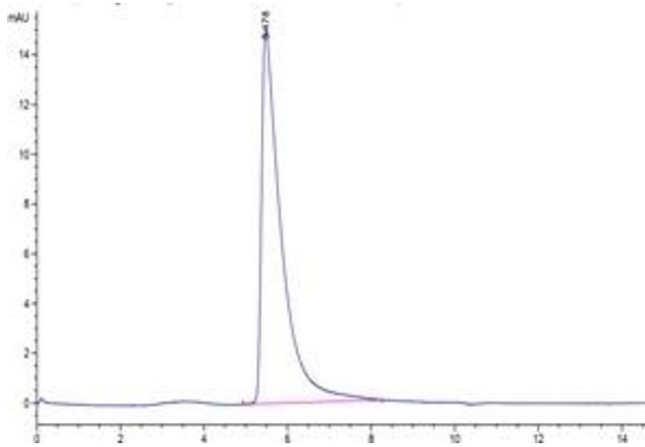
Image 1. 1 µg loaded Tris-Bis PAGE under reducing condition. The purity is greater than 95 %.

n-Cov S, His Tag ELISA



ELISA

Image 2. 2019-ncov S (coating at 0.1 µg-well) binding with Human ACE2-Fc .The linear range was found to be 23 ng/mL



High Pressure Liquid Chromatography

Image 3. The purity of 2019-nCoV Spike S is greater than 95 % as determined by SEC-HPLC.