

Datasheet for ABIN7275552

**SARS-CoV-2 Spike S1 Protein (Fc-Avi Tag)**

## 3 Images

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## Overview

Quantity:	100 µg
Target:	SARS-CoV-2 Spike S1
Origin:	SARS Coronavirus (SARS-CoV)
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SARS-CoV-2 Spike S1 protein is labelled with Fc-Avi Tag.

## Product Details

Sequence:	Ser14-Arg667
Purity:	> 95% as determined by Tris-Bis PAGE, > 95% as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human ACE2 at 2µg/ml (100µl/Well). Dose response curve for SARS Spike S1, hFc Tag with the EC50 of 0.39µg/ml determined by ELISA. See testing image for detail.

## Target Details

Target:	SARS-CoV-2 Spike S1
Alternative Name:	SARS-CoV Spike S1 ( <a href="#">SARS-CoV-2 Spike S1 Products</a> )
Background:	S1 protein, Spike protein S1, Spike,S1 protein, S glycoprotein Subunit1, The spike protein (S) of coronavirus (CoV) attaches the virus to its cellular receptor, angiotensin-converting enzyme 2 (ACE2). A defined receptor-binding domain (RBD) on S mediates this interaction. The S protein

## Target Details

plays key parts in the induction of neutralizing-antibody and T-cell responses, as well as protective immunity.

**Molecular Weight:** 100.6 kDa. Due to glycosylation, the protein migrates to 120-140 kDa based on Tris-Bis PAGE result.

**UniProt:** [P59594](#)

## Application Details

**Restrictions:** For Research Use only

## Handling

**Format:** Lyophilized

**Reconstitution:** Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.

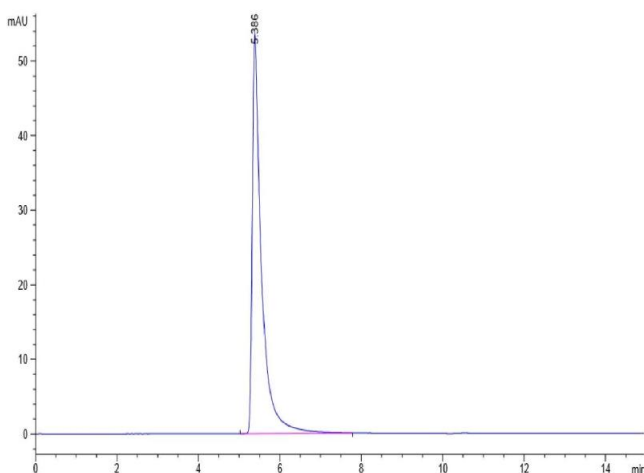
**Buffer:** Lyophilized from 0.22µm filtered solution in PBS ( pH 7.4). Normally 5 % trehalose is added as protectant before lyophilization.

**Storage:** 4 °C,-80 °C

**Storage Comment:** Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

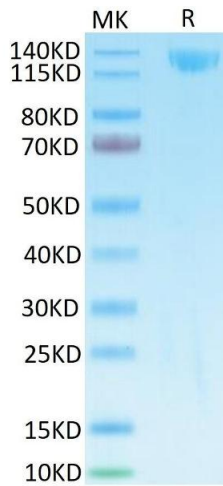
**Expiry Date:** 12 months

## Images



### Size-exclusion chromatography-High Pressure Liquid Chromatography

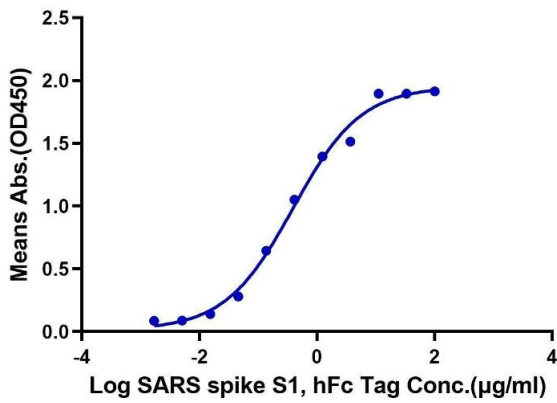
**Image 1.** The purity of SARS spike S1 is greater than 95 % as determined by SEC-HPLC.



### SDS-PAGE

**Image 2.** SARS Spike S1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

**SARS spike S1, hFc Tag ELISA**  
0.2µg Human ACE2, His Tag Per Well



### ELISA

**Image 3.** Immobilized Human ACE2 at 2 µg/mL (100 µ L/Well).Dose response curve for SARS Spike S1, hFc Tag with the EC50 of 0.39 µg/mL determined by ELISA.