

Datasheet for ABIN7274406

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

5 Images



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### Overview

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

### Product Details

Sequence:	Val16-Glu1188
Purity:	> 95% as determined by Tris-Bis PAGE, > 95% as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1 EU per µg by the LAL method.
Biological Activity Comment:	Immobilized SARS-COV-2 Spike S Trimer, His Tag at 1 µg/ml (100 µl/Well). Dose response curve for Human ACE2, hFc Tag with the EC50 of 42.2 ng/ml determined by ELISA. See testing image for detail.

### Target Details

Target:	SARS-CoV-2 Spike
Abstract:	<a href="#">SARS-CoV-2 Spike Products</a>

## Target Details

**Background:** S protein, Spike glycoprotein, S glycoprotein, COVID-19, 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 plays key parts in the induction of neutralizing-antibody and T-cell responses, as well as protective immunity.

**Molecular Weight:** 136.6 kDa. Due to glycosylation, the protein migrates to 175-230 kDa based on Tris-Bis PAGE result.

## 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.

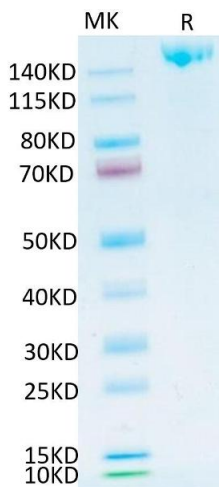
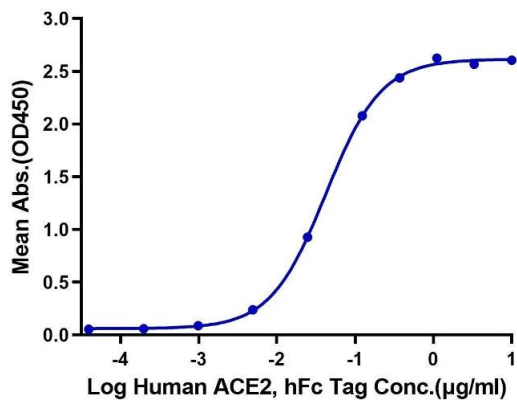
**Buffer:** Lyophilized from 0.22µm filtered solution in PBS ( pH 7.4). Normally 5 % trehalose is added as protectant before lyophilization.

**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

**SARS-COV-2 Spike S Trimer, His Tag ELISA**  
0.1µg SARS-COV-2 Spike S Trimer, His Tag Per Well

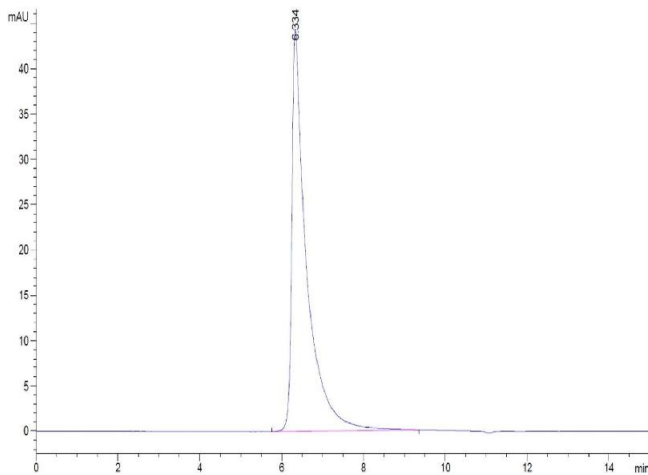


#### ELISA

**Image 1.** Immobilized SARS-COV-2 Spike S Trimer, His Tag at 1 µg/mL (100 µL/Well). Dose response curve for Human ACE2, hFc Tag with the EC50 of 42.2 ng/mL determined by ELISA.

#### SDS-PAGE

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



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

**Image 3.** The purity of SARS-COV-2 Spike S Trimer is greater than 95 % as determined by SEC-HPLC.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN7274406.