

Datasheet for ABIN7274410

SARS-CoV-2 Spike S1 Protein (AA 14-683) (Fc-Avi Tag,Biotin)



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2 Images

Overview

Quantity:	100 µg
Target:	SARS-CoV-2 Spike S1
Protein Characteristics:	AA 14-683
Origin:	SARS Coronavirus-2 (SARS-CoV-2)
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SARS-CoV-2 Spike S1 protein is labelled with Fc-Avi Tag,Biotin.

Product Details

Purpose:	Biotinylated SARS-COV-2 Spike S1 Protein
Sequence:	Gln14-Arg683
Characteristics:	Recombinant Biotinylated SARS-COV-2 Spike S1 Protein is expressed from HEK293 with hFc tag and Avi tag at the C-Terminus.It contains Gln14-Arg683.
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.

Target Details

Target:	SARS-CoV-2 Spike S1
Abstract:	SARS-CoV-2 Spike S1 Products

Target Details

Target Type:	Viral Protein
Background:	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:	102.6 kDa. Due to glycosylation, the protein migrates to 130-140 kDa based on Tris-Bis PAGE result.

Application Details

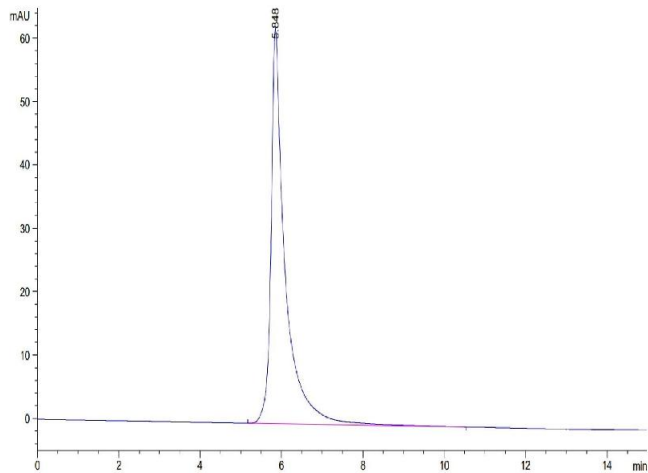
Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 24 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months

Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 1. The purity of Biotinylated SARS-COV-2 Spike S1 is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

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