

Datasheet for ABIN6961176

SARS-CoV-2 Spike Protein (AA 310-560) (His tag)



[Go to Product page](#)

1 Image

Overview

Quantity:	100 µg
Target:	SARS-CoV-2 Spike
Protein Characteristics:	AA 310-560
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 tag.
Application:	Western Blotting (WB)

Product Details

Purpose:	Recombinant SARS-CoV-2 Spike-Membrane Fusion Protein, His Tag
Specificity:	S protein (Lys310-Leu560) Membrane protein (Met1-Lys15) 6xHis
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

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

Target Details

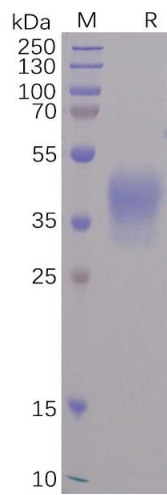
Target Type:	Viral Protein
Background:	SARS-CoV-2 (Severe Acute Respiratory Syndrome Coronavirus 2) also known as Covid19 (2019 Novel Coronavirus) is a virus that causes illnesses ranging from the common cold to severe diseases. The spike protein is a type I transmembrane protein containing two subunits, S1 and S2. S1 mainly contains a receptor binding domain (RBD), which accounts for recognizing the cell surface receptor, ACE2. S2 contains basic elements needed for the membrane fusion. Recent publications indicate that S1-RBD domain can induce virus neutralizing-antibody and T cell response.
Molecular Weight:	predicted molecular mass of 31.2 kDa after removal of the signal peptide.
Gene ID:	43740571
UniProt:	P0DTC2

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Expiry Date:	12 months



SDS-PAGE

Image 1. SARS-CoV-2 Spike-Membrane Recombinant Fusion Protein, His Tag on SDS-PAGE under reducing condition.