

Datasheet for ABIN7488963

SARS-CoV Spike Protein (His tag)[Go to Product page](#)

Overview

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

Product Details

Purpose:	SARS coronavirus CUHK-W1 Spike NTD Protein, His Tag (MALS verified)
Sequence:	Asp 17 - Lys 291
Characteristics:	SARS coronavirus CUHK-W1 Spike NTD Protein, His Tag is expressed from human 293 cells (HEK293). It contains AA Asp 17 - Lys 291 (Accession # AAP13567.1).
Purity:	90 %
Endotoxin Level:	1.0 EU per µg
Grade:	MALS verified

Target Details

Target:	SARS-CoV Spike (SARS-CoV S)
Alternative Name:	SARS coronavirus Spike (SARS-CoV S Products)
Background:	It's been reported that coronavirus can infect the human respiratory epithelial cells through

Target Details

interaction with the human ACE2 receptor. The spike protein is a large type I transmembrane protein containing two subunits, S1 and S2. S1 mainly contains a receptor binding domain (RBD), which is responsible for recognizing the cell surface receptor. S2 contains basic elements needed for the membrane fusion. The S protein plays key parts in the induction of neutralizing-antibody and T-cell responses, as well as protective immunity.

Molecular Weight: 33.2 kDa

Application Details

Comment: This protein carries a polyhistidine tag at the C-terminus. (10xHis) The protein has a calculated MW of 33.2 kDa. The protein migrates as 47-64 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: PBS, pH 7.4

Storage: -20 °C

Storage Comment: -20°C