

Datasheet for ABIN6964448

SARS-CoV-2 Spike Protein (His tag)



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1 Image

Overview

Quantity:	100 µg
Target:	SARS-CoV-2 Spike
Origin:	SARS Coronavirus-2 (SARS-CoV-2)
Source:	Tobacco (Nicotiana benthamiana)
Protein Type:	Recombinant
Purification tag / Conjugate:	This SARS-CoV-2 Spike protein is labelled with His tag.

Product Details

Purpose:	SARS-CoV-2 Spike Protein S1, His Tag
Characteristics:	DNA encoding the S1 portion of the Spike protein of SARSCoV-2 fused to a poly-histidine and a SEKDEL tag at the Cterminus was recombinantly expressed in Nicotiana benthamiana plants.
Purification:	This product was purified using immobilized metal affinity chromatography (IMAC).
Purity:	90 - 95 % as determined by SDS-PAGE

Target Details

Target:	SARS-CoV-2 Spike
Alternative Name:	SARS2 Spike glycoprotein (SARS-CoV-2 Spike Products)
Target Type:	Viral Protein
Background:	The spike glycoprotein of SARS-CoV-2 is known to interact with the ACE2 receptor on human respiratory epithelial cells. The receptor binding domain (RBD) is part of the S1 subunit of the spike and is responsible for recognizing the ACE2 receptor.

Application Details

Comment: SARS-CoV-2 Spike Protein (Genbank # MN908947.3)
Tag: C-terminal 6xHis Tag

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 2 mg/mL

Buffer: 0.1M Phosphate Buffered saline pH 7.4

Preservative: Without preservative

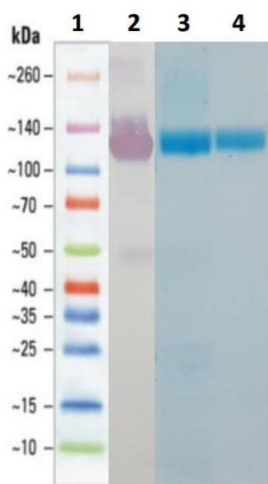
Handling Advice: aliquot and avoid repeated freeze-thaw cycles

Storage: 4 °C,-20 °C

Storage Comment: Short term: 2 - 4°C, Long term: -20°C

Expiry Date: 12 months

Images



Western Blotting

Image 1. WB and coomassie of S1-His protein. Lane 1 = Marker; Lane 2 = 1ug purified fraction (WB) detected with anti-His at 1/2000 and anti-mouse HRP at 1/2500; Lane 3 and 4 = purified 8 ug and 7 ug (Coomassie), respectively.