

Datasheet for ABIN6952470

SARS-CoV-2 Spike S1 Protein (RBD) (His tag)[Go to Product page](#)**1** Image**1** Publication

Overview

Quantity:	100 µg
Target:	SARS-CoV-2 Spike S1
Protein Characteristics:	RBD
Origin:	SARS Coronavirus-2 (SARS-CoV-2)
Source:	HEK-293 Cells
Purification tag / Conjugate:	This SARS-CoV-2 Spike S1 protein is labelled with His tag.

Product Details

Characteristics:	Recombinant SARS-CoV-2, S1 Subunit Protein (RBD) with C-terminal His tag, derived from the transfected human HEK293 cells. AA 319-541,RBD
Purification:	His-tag affinity purification by immobilized metal ion affinity chromatography (IMAC)
Purity:	> 95 %

Target Details

Target:	SARS-CoV-2 Spike S1
Abstract:	SARS-CoV-2 Spike S1 Products
Target Type:	Viral Protein
Gene ID:	43740568
UniProt:	P0DTC2

Application Details

Application Notes: Recombinant protein product has a calculated molecular mass of 25 kDa. Due to the abundant glycosylation, it migrates as approximately 30 kDa protein bands in SDS-PAGE under DTT, beta-mercaptoethanol reducing conditions. See deglycosylation analysis image below.

Restrictions: For Research Use only

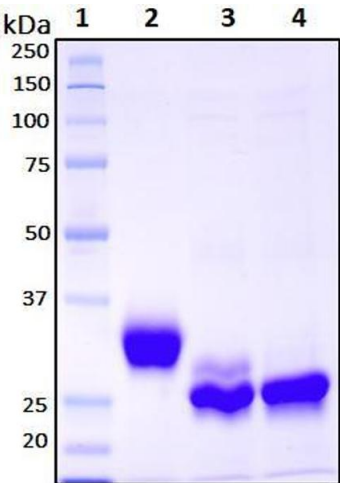
Handling

Format:	Liquid
Buffer:	Supplied as a 0.2 um filtered solution in PBS (pH 7.4)
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Upon arrival, the protein may be stored for 2 weeks at 4 °C. For long term storage, it is recommended to store at -20 °C or -80 °C in appropriate aliquots. Avoid repeated freeze-thaw cycles.

Publications

Product cited in: Bell, Powell, Rodriguez, Cochran, Kim: "Neutralizing antibodies targeting the SARS-CoV-2 receptor binding domain isolated from a naïve human antibody library." in: **Protein science : a publication of the Protein Society**, Vol. 30, Issue 4, pp. 716-727, (2021) ([PubMed](#)).

Images



SDS-PAGE

Image 1. Deglycosylation of purified recombinant proteins. Purified proteins were untreated (Lane 2) or treated with Protein Deglycosylation Kit under native (Lane 3) or reducing (Lane 4) conditions. Deglycosylation treatment resulted in a mobility shift of the protein to produce one major band at the expected size, thus indicating that the untreated recombinant protein (Lane 2) was glycosylated. Lane 1: Protein standard ladder (kDa) Lane 2: Untreated protein under reducing conditions Lane 3: Treated protein with deglycosylation enzymes under native conditions Lane 4: Treated protein with deglycosylation enzymes under

reducing conditions.