

Datasheet for ABIN7013124

SARS-CoV-2 Spike S1 Protein (B.1.617.2 - delta) (His tag)[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	SARS-CoV-2 Spike S1
Protein Characteristics:	B.1.617.2 - delta
Origin:	SARS Coronavirus-2 (SARS-CoV-2), SARS CoV-2 Delta
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This SARS-CoV-2 Spike S1 protein is labelled with His tag.

Product Details

Purpose:	SARS-CoV-2 Spike S1 (T19R, G142D, EF156-157del, R158G, L452R, T478K, D614G, P681R), His Tag
Specificity:	SARS-CoV-2 Spike S1 (T19R, G142D, EF156-157del, R158G, L452R, T478K, D614G, P681R)
Characteristics:	SARS-CoV-2 Spike S1, His Tag is expressed from human 293 cells (HEK293). It contains AA Val 16 - Arg 685 (Accession # QHD43416.1). The mutations (T19R, G142D, EF156-157del, R158G, L452R, T478K, D614G, P681R) were identified in the SARS-CoV-2 variants which emerged in India (known as B.1.617.2).
Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	SARS-CoV-2 Spike S1
Abstract:	SARS-CoV-2 Spike S1 Products
Target Type:	Viral Protein
Background:	It's been reported that SARS-CoV-2 can infect the human respiratory epithelial cells through 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:	76.7 kDa
NCBI Accession:	QHD43416

Application Details

Restrictions:	For Research Use only
---------------	-----------------------

Handling

Format:	Lyophilized
Buffer:	PBS, pH 7.4
Storage:	-20 °C