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Datasheet for ABIN7013125

SARS-CoV-2 Spike S1 Protein (B.1.617.1 - kappa) (His tag)

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Overview

Quantity:	100 µg
Target:	SARS-CoV-2 Spike S1
Protein Characteristics:	B.1.617.1 - kappa
Origin:	SARS Coronavirus-2 (SARS-CoV-2), SARS CoV-2 Kappa
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 (T95I, G142D, E154K, L452R, E484Q, D614G, P681R), His Tag
Specificity:	SARS-CoV-2 Spike S1 (T95I, G142D, E154K, L452R, E484Q, 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 (T95I, G142D, E154K, L452R, E484Q, D614G, P681R) were identified in the SARS-CoV-2 variants which emerged in India (known as B.1.617).
Purity:	>95 % as determined by reduced SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	SARS-CoV-2 Spike S1

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Target Details

Abstract:	SARS-CoV-2 Spike S1 Products
Target Type:	Viral Protein
Background:	It's been reported that Coronavirus 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:	77.0 kDa
NCBI Accession:	QHD43416

Application Details

Restrictions:	For Research Use only

Handling

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

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