



Datasheet for ABIN6961042

## SARS-CoV-2 Spike Protein (N501Y, RBD) (Fc Tag)



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### Overview

Quantity:	50 µg
Target:	SARS-CoV-2 Spike
Protein Characteristics:	N501Y, RBD
Origin:	SARS Coronavirus-2 (SARS-CoV-2)
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SARS-CoV-2 Spike protein is labelled with Fc Tag.

### Product Details

Purpose:	SARS-CoV-2 Spike Protein RBD (Mammalian, N501Y, C-Fc)
Characteristics:	Recombinant 2019-nCoV S-RBD is produced by Mammalian expression system and the target gene encoding Arg319-Ser541(N501Y) is expressed with a Fc tag at the C-terminus.

### Target Details

Target:	SARS-CoV-2 Spike
Alternative Name:	SARS-CoV-2 S Protein ( <a href="#">SARS-CoV-2 Spike Products</a> )
Target Type:	Viral Protein
Background:	The spike (S) glycoprotein of coronaviruses is known to be essential in the binding of the virus to the host cell during the initial stages of the infection process. The SARS-CoV-2 Spike Protein mediates the membrane fusion required for virus entry and cell fusion. It is also a major immunogen and a target for entry inhibitors. SARS-CoV-2 infects the human respiratory

## Target Details

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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 Spike Protein plays key a part in the induction of neutralizing-antibody and T-cell responses, as well as protective immunity.

## Application Details

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Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: Supplied as a 0.2 µm filtered solution of PBS, pH 7.4.