

Datasheet for ABIN6992374

**SARS-CoV-2 Spike S2 Protein (B.1.1.7 - alpha) (His tag)**[Go to Product page](#)**2** Images

## Overview

Quantity:	100 µg
Target:	SARS-CoV-2 Spike S2
Protein Characteristics:	B.1.1.7 - alpha
Origin:	SARS Coronavirus-2 (SARS-CoV-2), SARS CoV-2 Alpha
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This SARS-CoV-2 Spike S2 protein is labelled with His tag.

## Product Details

Purpose:	SARS-CoV-2 S2 protein (T716I, S982A, D1118H), His Tag
Sequence:	AA 686-1213
Characteristics:	SARS-CoV-2 S2 protein (T716I, S982A, D1118H), His Tag is expressed from human 293 cells (HEK293). It contains AA Ser 686 - Pro 1213 (Accession # QHD43416.1). The recombinant protein is expressed from human 293 cells (HEK293) with T4 fibrin trimerization motif and a polyhistidine tag at the C-terminus. Proline substitutions (F817P/ A892P/ A899P/ A942P/ K986P/ V987P) are introduced to stabilize the trimeric prefusion state of SARS-CoV-2 S protein. The T716I/ S982A/ D1118H mutations were identified in the SARS-CoV-2 variant (known as B.1.1.7, 20B/501Y.V1 or VOC 202012/01) which emerged in the United Kingdom.
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 S2
Alternative Name:	SARS-CoV-2 S2 protein ( <a href="#">SARS-CoV-2 Spike S2 Products</a> )
Target Type:	Viral Protein
Background:	The ongoing SARS-COV-2 pandemics has sickened 3.7 million people around the world, claiming over 1,000,000 lives. To deal with this global public health crisis, unprecedented efforts are being made to study the virus, SARS-CoV-2. At present, there are 193 new crown vaccine projects registered with the World Health Organization are being developed. To support these studies, ACRO has developed Mouse Anti-SARS-CoV-2 antibody IgG Serologic Assay kit.
Molecular Weight:	59.6 kDa

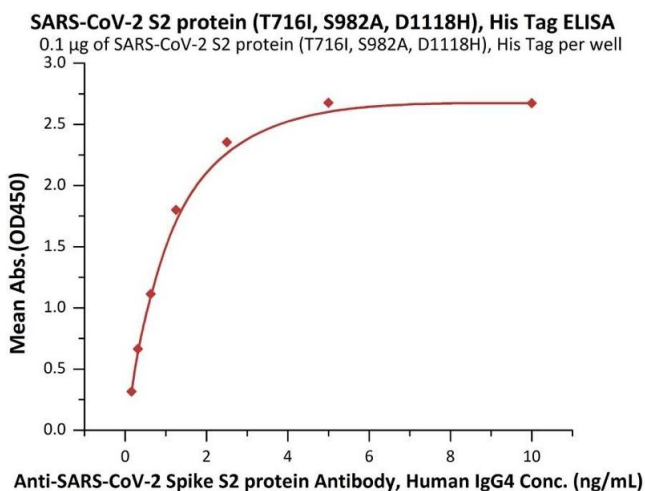
## Application Details

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

## Handling

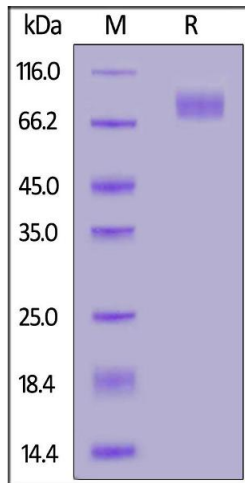
Format:	Lyophilized
Buffer:	PBS, pH 7.4
Storage:	-20 °C

## Images



### ELISA

**Image 1.** Immobilized SARS-CoV-2 S2 protein (T716I, S982A, D1118H), His Tag (ABIN6992374) at 1 µg/mL (100 µL/well) can bind A-CoV-2 Spike S2 protein Antibody, Human IgG4 (S2N-S86) with a linear range of 0.2-1 ng/mL (QC tested).



### SDS-PAGE

**Image 2.** SARS-CoV-2 S2 protein (T716I, S982A, D1118H), His Tag on under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95 % .