

## SARS-CoV-2 Spike Glycoprotein (S1) RBD, His-Tag (CHO)

Catalog Number: RCOV05

### Overview

Product Name	SARS-CoV-2 Spike Glycoprotein (S1) RBD, His-Tag (CHO)
Description	Recombinant 2019-nCoV Spike protein S1 subunit, receptor-binding domain (RBD) (319-541) was expressed in CHO cells using a C-terminal HIS tag. The gene accession number is MN908947.
Size	10ug, 20ug, 50ug, 100ug
Tag	
Form	Liquid
Source	CHO cells
Formulation	Recombinant protein stored in 50mM sodium phosphate, pH 7.5, 300mM NaCl, 150mM imidazole.

### Concentration

### Storage

Store product at -70oC. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

### Purity

The purity of nCoV-RBD was determined to be >95% by densitometry, approx. MW 39 kDa.

The severe acute respiratory syndrome related novel coronavirus SARS-CoV-2 has caused the pandemic of the respiratory diseases (COVID-19) around the world in 2020 (1). The spike glycoprotein (S) of coronavirus belongs to the type I transmembrane protein, which contains two subunits, S1 and S2 (2), which is also known to be the key component to bind with host cells through the interaction with angiotensin-converting enzyme 2 (ACE2) (3). A receptor binding domain (RBD) of S1 can recognize the cell surface receptor and the mutation of RBD could cause higher motility rate (3). [?/description\\_after\\_attributes?](#)

## Usage

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