

# SARS CoV Spike glycoprotein (Receptor Binding Domain, Fc Tag)



Catalog Number: 500764

## General Information

### Protein Construction

A DNA sequence encoding the receptor binding domain (RBD) of human SARS coronavirus (isolate:WH20) spike (AAX16192.1) (Arg306-Phe527) was expressed with the Fc region of rabbit IgG at the C-terminus.

### Organism

SARS

### Expression Host

Baculovirus-Insect Cells

## QC Testing

### Purity

(36.8+ 56.0) % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu\text{g}$  of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at  $-70^{\circ}\text{C}$

### Predicted N terminal

Arg 306

### Molecular Mass

The recombinant receptor binding domain (RBD) of human SARS coronavirus (isolate:WH20) spike comprises 446 amino acids and has a predicted

molecular mass of 50.2 kDa. The apparent molecular mass of the protein is approximately 78.9 and 54.3 kDa in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile 100 mM Glycine, 10 mM NaCl, pH 8.0.

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

## Usage Guide

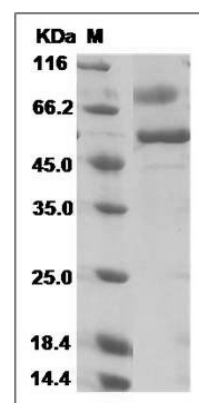
### Storage

Store it under sterile conditions at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$ . It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Human SARS Coronavirus Spike Protein (Receptor Binding Domain, Fc Tag) SDS-PAGE