

## General Information

### Gene Name Synonym

S1 protein

### Protein Construction

The target gene encoding Val16-Arg685 is expressed with a 6His tag at the C-terminus.

### Organism

Severe acute respiratory syndrome coronavirus 2

### Expression Host

HEK293

## QC Testing

### Activity

Measured by its binding ability in a functional ELISA. Immobilized human ACE2 protein (Fc tag) at 2 µg/mL (100 µL/well) can bind SARS-CoV-2/2019-nCoV Spike Protein (S1 Subunit, His tag), the EC<sub>50</sub> of SARS-CoV-2/2019-nCoV Spike Protein (S1 Subunit, His tag) is 200-600 ng/mL.

### Purity

Greater than 95% as determined by reducing SDS-PAGE.

### Endotoxin

<5 EU/mg

## Stability

Samples are stable for up to twelve months from date of receipt at -70°C

## Molecular Mass

100-130kDa, reducing conditions

## Formulation

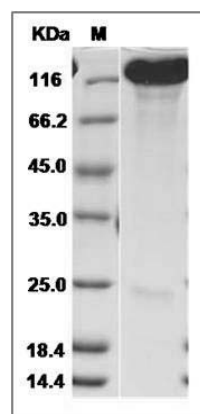
Supplied as a 0.2 µM filtered solution of PBS, PH7.4.

## Usage Guide

### Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

## SDS-PAGE



2019-nCoV S1 Protein (Mammalian, C-6His)