

# Recombinant SARS Spike RBD

Cat. No. bs-46009P

## Description

|                         |   |
|-------------------------|---|
| <b>Protein Sequence</b> | SARS Spike RBD with mFc at the C-terminal. It contains Arg319-Asn532.   |
| <b>Source</b>           | Expressed from Expi293  |
| <b>Accession</b>        | QHD43416.1  |
| <b>Mol wt</b>           | The protein has a predicted MW of 49.7 kDa. Due to glycosylation, the protein migrates to 60-70KDa based on Bis-Tris PAGE result. |
| <b>Endotoxin</b>        | Less than 0.5EU per ug by the LAL method.   |
| <b>Purity</b>           | > 95% as determined by Bis-Tris PAGE  |
| <b>Purity</b>           | > 95% as determined by HPLC   |
| <b>Activity assay</b>   | Not tested.   |

## Formulation and Storage

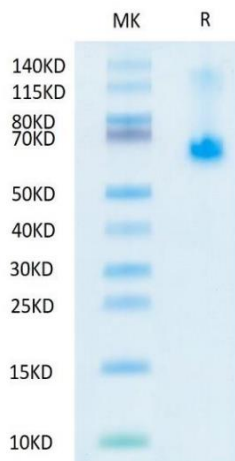
|                    |   |
|--------------------|---|
| <b>Formulation</b> | Supplied as 0.22um filtered solution in PBS (pH 7.4)                              |
| <b>Storage</b>     | The product should be stored at -70°C. Please do not repeated freeze-thaw cycles. |

## Background

The spike protein (S) of coronavirus (CoV) attaches the virus to its cellular receptor, angiotensin-converting enzyme 2 (ACE2). A defined receptor-binding domain (RBD) on S mediates this interaction. The S protein plays key parts in the induction of neutralizing-antibody and T-cell responses, as well as protective immunity.

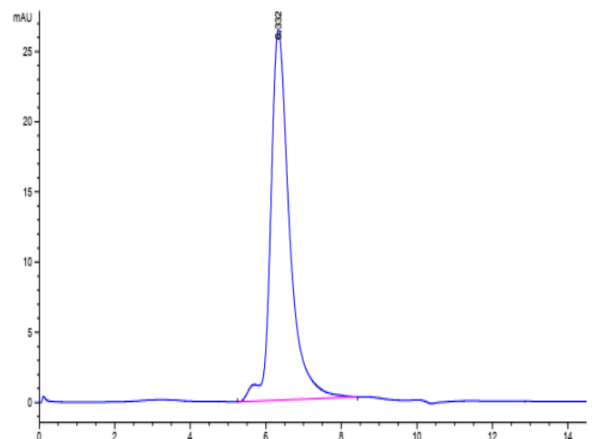
## Assay Data

### Tris-Bis PAGE



Recombinant 2019 nCoV Spike RBD Protein on TrisBis PAGE under reduced condition. The purity is greater than 95%.

### HPLC Data



The purity of 2019 nCoV Spike RBD is greater than 95% as determined by SEC-HPLC.