

# Recombinant SARS-CoV-2 (2019-nCoV) Spike RBD(E484K) Protein, His-tagged, Biotinylated

**Cat. No.** S-457S    **Lot. No.** (See product label)

## SPECIFICATION

|                             |                                                                                                                                                                                                                                                                  |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>     | Recombinant SARS-CoV-2 (2019-nCoV) Spike RBD (YP_009724390.1, with mutation E484K) (Arg319-Phe541) was expressed in HEK293 cell with a polyhistidine tag at the C-terminus. The purified protein was biotinylated in vitro.                                      |
| <b>Species</b>              | SARS-CoV-2                                                                                                                                                                                                                                                       |
| <b>Source</b>               | HEK293                                                                                                                                                                                                                                                           |
| <b>ProteinLength</b>        | 319-541                                                                                                                                                                                                                                                          |
| <b>Predicted N Terminal</b> | Ser                                                                                                                                                                                                                                                              |
| <b>Molecular Mass</b>       | The recombinant SARS-CoV-2 (2019-nCoV) Spike RBD consists of 235 amino acids and predicts a molecular mass of 26.6 kDa. As a result of glycosylation, it migrates as an approximately 34 kDa band in SDS-PAGE under reducing conditions.                         |
| <b>Endotoxin</b>            | < 1.0 EU/μg protein as determined by the LAL method.                                                                                                                                                                                                             |
| <b>Purity</b>               | > 95 % as determined by SDS-PAGE.                                                                                                                                                                                                                                |
| <b>Storage</b>              | Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.<br>Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |

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**Storage Buffer**

Lyophilized from sterile PBS, pH 7.4.

Please contact us for any concerns or special requirements.

Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization.

**Conjugation**      Biotin

## GENE INFORMATION

**Gene Name**      [S surface glycoprotein \[ Severe acute respiratory syndrome coronavirus 2 \]](#)

**Official Symbol**      [S](#)

**Synonyms**      S; surface glycoprotein; spike glycoprotein; surface glycoprotein; structural protein; spike protein

**Gene ID**      [43740568](#)

**mRNA Refseq**      [MN908947](#)

**Protein Refseq**      [YP\\_009724390](#)

**SDS-PAGE**

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