

## Recombinant SARS-CoV-2 Spike RBD (E484A) Protein, His-tagged

Cat. No. S-575S    Lot. No. (See product label)

### SPECIFICATION

|                             |                                                                                                                                                                                                                                                                  |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>     | Recombinant SARS-CoV-2 Spike RBD (YP_009724390.1, with mutation E484A) (Arg319-Phe541) was expressed in HEK293 cell with a polyhistidine tag at the C-terminus.                                                                                                  |
| <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 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 35.1 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>               | > 85 % 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.

**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                                                                                         |

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