

## Recombinant SARS-CoV-2 (2019-nCoV) Spike RBD(K458Q) Protein, His-tagged

Cat. No. S-550S    Lot. No. (See product label)

### SPECIFICATION

|                             |                                                                                                                                                                                                                                                                           |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>     | Recombinant SARS-CoV-2 (2019-nCoV) Spike RBD(K458Q)-His Recombinant Protein (YP_009724390.1) (Arg319-Phe541(K458Q)) 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> | Arg 319                                                                                                                                                                                                                                                                   |
| <b>Molecular Mass</b>       | The recombinant SARS-CoV-2 (2019-nCoV) Spike RBD(K458Q)-His Recombinant Protein consists of 234 amino acids and predicts a molecular mass of 26.5 kDa. As a result of glycosylation, it migrates as an approximately 35.4 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>               | > 80 % 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                                                                                       |

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protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**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](#)

**SDS-PAGE**

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