

# Recombinant SARS-CoV-2 Spike RBD (K417N, E484K, N501Y) Protein, Fc-tagged

Cat. No. S-443S Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant SARS-CoV-2 Spike RBD (YP_009724390.1, with mutation K417N, E484K, N501Y) (Arg319-Phe541) was expressed in HEK293 cell with the Fc region of human IgG1 at the C-terminus. The mutations were identified in the SARS-CoV-2 variant (known as variant B.1.351) which emerged in the South Africa.
<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 462 amino acids and predicts a molecular mass of 51.94 kDa. As a result of glycosylation, it migrates as an approximately 56.01 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. 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

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