

# Recombinant COVID-19 Spike RBD (N354D) protein(Arg319-Phe541), His-tagged, Biotinylated

Cat. No. Spike-1261V Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant COVID-19 Spike Protein (RBD) (YP_009724390.1(N354D)) (Arg319-Phe541) was expressed in HEK293 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>	Arg319-Phe541
<b>Conjugation/Label</b>	Biotin
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Molecular Mass</b>	The recombinant SARS-CoV-2 Spike RBD consists of 234 amino acids and predicts a molecular mass of 26.55 kDa. As a result of glycosylation, it migrates as an approximately 34.86 kDa band in SDS-PAGE under reducing conditions.
<b>Endotoxin</b>	< 1.0 EU per 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°C to -80°C.

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Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

**Conjugation**

Biotin

**GENE INFORMATION****Gene Name**

S surface glycoprotein [ Severe acute respiratory syndrome coronavirus 2 ]

**Official Symbol**

Spike

**Synonyms**

Spike; S1 protein; Spike glycoprotein Subunit1; S glycoprotein Subunit1; Spike protein S1

**Gene ID**

43740568

**Protein Refseq**

YP\_009724390.1

**UniProt ID**

P0DTC2

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