

# Recombinant COVID-19 Spike RBD (K378R) protein, His-tagged

**Cat. No.** Spike-321V    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	A DNA sequence encoding the SARS-CoV-2 (2019-nCoV) Spike RBD(K378R)-His Recombinant Protein (YP_009724390.1) (Arg319-Phe541(K378R)) was expressed in HEK293 cells with a polyhistidine tag at the C-terminus.
<b>Species</b>	Sars-CoV-2
<b>Source</b>	HEK293
<b>ProteinLength</b>	Arg319-Phe541
<b>Predicted N Terminal</b>	Arg319
<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 (2019-nCoV) Spike RBD(K378R)-His Recombinant Protein consists of 234 amino acids and predicts a molecular mass of 26.6 kDa.
<b>Endotoxin</b>	< 1.0 EU per µg protein as determined by the LAL method.
<b>Purity</b>	> 85 % as determined by SDS-PAGE.
<b>Stability</b>	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C

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<b>Storage</b>	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.
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
<b>Shipping</b>	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

## GENE INFORMATION

<b>Gene Name</b>	S
<b>Official Symbol</b>	S
<b>Synonyms</b>	coronavirus spike Protein, 2019-nCoV; cov spike Protein, 2019-nCoV; ncov RBD Protein, 2019-nCoV; ncov s1 Protein, 2019-nCoV; ncov s2 Protein, 2019-nCoV; ncov spike Protein, 2019-nCoV; NCP-CoV RBD Protein, 2019-nCoV; NCP-CoV s1 Protein, 2019-nCoV; NCP-CoV s2 Protein, 2019-nCoV; NCP-CoV Spike Protein, 2019-nCoV; novel coronavirus RBD Protein, 2019-nCoV; novel coronavirus s1 Protein, 2019-nCoV; novel coronavirus s2 Protein, 2019-nCoV; novel coronavirus spike Protein, 2019-nCoV; RBD Protein, 2019-nCoV; S1 Protein, 2019-nCoV; S2 Protein, 2019-nCoV; Spike RBD Protein, 2019-nCoV
<b>Gene ID</b>	43740568
<b>Protein Refseq</b>	YP_009724390.1
<b>UniProt ID</b>	P0DTC2

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