

# Recombinant SARS-COV-2 Spike RBD (Gamma P.1/P.1.1/P.1.2) protein, His-tagged

**Cat. No.** Spike-1597V    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant SARS-COV-2 Spike RBD (Gamma P.1/P.1.1/P.1.2) protein(QHD43416.1)(Arg319-Phe541(K417T, E484K, N501Y)), fused with C-terminal His tag, was expressed in HEK293.
<b>Species</b>	SARS-COV-2
<b>Source</b>	HEK293
<b>ProteinLength</b>	Arg319-Phe541(K417T, E484K, N501Y)
<b>Form</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Bio-activity</b>	Immobilized SARS-CoV-2 Spike RBD (Gamma P.1/P.1.1/P.1.2), His Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Human ACE2, hFc Tag with the EC50 of 27.7ng/ml determined by ELISA.
<b>Molecular Mass</b>	The protein has a predicted MW of 26.21 kDa. Due to glycosylation, the protein migrates to 35-40 kDa based on Tris-Bis PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Tris-Bis PAGE;> 95% as determined by HPLC

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**Storage** Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

**Reconstitution** Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.

## GENE INFORMATION

**Gene Name** [S surface glycoprotein \[ Severe acute respiratory syndrome coronavirus 2 \]](#)

**Official Symbol** [S](#)

**Synonyms** Spike; S1 protein; Spike glycoprotein Subunit1; S glycoprotein Subunit1; Spike protein S1

**Gene ID** [43740568](#)

**Protein Refseq** [YP\\_009724390](#)

**UniProt ID** [P0DTC2](#)

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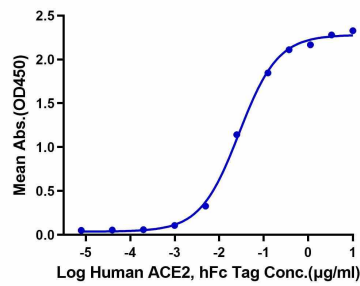
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**Tris-Bis PAGE**



**ELISA**

**SARS-CoV-2 Spike RBD (Gamma P.1/P.1.1/P.1.2), His Tag ELISA**  
 0.05µg SARS-CoV-2 Spike RBD (Gamma P.1/P.1.1/P.1.2), His Tag Per Well



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