

## Recombinant SARS-COV-2 Spike S1 (Gamma P.1/P.1.1/P.1.2) protein, His-tagged

Cat. No. Spike-1591V Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant SARS-COV-2 Spike S1 (Gamma P.1/P.1.1/P.1.2) protein(QHD43416.1)(Gln14-Arg683(L18F, T20N, P26S, D138Y, R190S, K417T, E484K, N501Y, D614G, H655Y)), fused with C-terminal His tag, was expressed in HEK293.
<b>Species</b>	SARS-COV-2
<b>Source</b>	HEK293
<b>ProteinLength</b>	Gln14-Arg683(L18F, T20N, P26S, D138Y, R190S, K417T, E484K, N501Y, D614G, H655Y)
<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 S1 (Gamma P.1/P.1.1/P.1.2), His Tag at 1µg/ml (100µl/Well) on the plate. Dose response curve for Human ACE2, hFc Tag with the EC50 of 31.1ng/ml determined by ELISA.
<b>Molecular Mass</b>	The protein has a predicted MW of 76.11 kDa. Due to glycosylation, the protein migrates to 100-130 kDa based on Tris-Bis PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.

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<b>Purity</b>	> 95% as determined by Tris-Bis PAGE;> 95% as determined by HPLC
<b>Storage</b>	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.
<b>Reconstitution</b>	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	<a href="#">S surface glycoprotein [ Severe acute respiratory syndrome coronavirus 2 ]</a>
<b>Official Symbol</b>	<a href="#">S</a>
<b>Synonyms</b>	Spike; S1 protein; Spike glycoprotein Subunit1; S glycoprotein Subunit1; Spike protein S1
<b>Gene ID</b>	<a href="#">43740568</a>
<b>Protein Refseq</b>	<a href="#">YP_009724390</a>
<b>UniProt ID</b>	<a href="#">P0DTC2</a>

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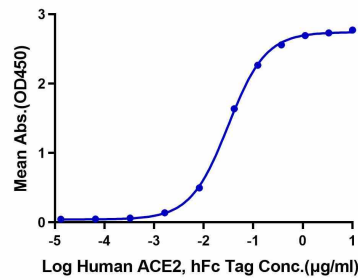
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**Tris-Bis PAGE**



**ELISA**

**SARS-CoV-2 Spike S1 (Gamma P.1/P.1.1/P.1.2), His Tag ELISA**  
0.1µg SARS-CoV-2 Spike S1 (Gamma P.1/P.1.1/P.1.2), His Tag Per Well



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