

# Active Recombinant COVID-19 (2019-nCoV) Spike S1+S2 protein, His-Avi-tagged, Biotinylated

Cat. No. Spike-0430V Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Biotinylated Recombinant COVID-19 (2019-nCoV) Spike S1+S2 protein(Met1-Pro1213)(YP_009724390.1), fused with His-Avi tag, was expressed in Insect Cells.
<b>Species</b>	Sars-CoV-2
<b>Source</b>	Insect Cells
<b>ProteinLength</b>	Met1-Pro1213
<b>Form</b>	Lyophilized from sterile 20mM Tris, 300mM NaCl, pH 8.0, 5% glycerolPlease contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
<b>Bio-activity</b>	Measured by its binding ability in a functional ELISA. Immobilized ACE2 Protein, Human, Recombinant (mFc Tag)(10108-H05H) at 2 µg/mL (100 µL/well) can bind SARS-CoV-2 (2019-nCoV) Spike S1+S2 ECD-AVI & His Recombinant Protein, Biotinylated (40589-V27B-B), the EC50 of SARS-CoV-2 (2019-nCoV) Spike S1+S2 ECD-AVI & His Recombinant Protein, Biotinylated (40589-V27B-B) is 600-900 ng/mL.
<b>Molecular Mass</b>	The recombinant SARS-CoV-2 (2019-nCoV) Spike Protein (S1+S2 ECD) consists of 1224 amino acids and predicts a molecular mass of 136.20 kDa.
<b>Endotoxin</b>	< 1.0 EU per µg protein as determined by the LAL method.

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<b>Purity</b>	> 85 % 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 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 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
<b>Conjugation</b>	Biotin

## GENE INFORMATION

<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; COVID-19
<b>Gene ID</b>	<a href="#">43740568</a>
<b>Protein Refseq</b>	<a href="#">YP_009724390.1</a>
<b>UniProt ID</b>	<a href="#">P0DTC2</a>

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