

Recombinant COVID-19 Spike S1 protein, hFc-Avi-tagged, Biotinylated

Cat. No. Spike-5745V **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant COVID-19 Spike S1 protein(QHD43416.1)(Gln14-Arg683), fused with C-terminal hFc and Avi tag, was expressed in HEK293.
Species	Sars-CoV-2
Source	HEK293
ProteinLength	Gln14-Arg683
Tag	C-hFc-Avi
Conjugation/Label	Biotin
Form	Supplied as 0.22µm filtered solution in PBS (pH 7.4).
Bio-activity	Immobilized Biotinylated SARS-COV-2 Spike S1, hFc Tag at 2µg/ml (100µl/well) on the streptavidin precoated plate (5µg/ml). Dose response curve for Human ACE2, His Tag with the EC50 of 0.09µg/ml determined by ELISA.
Molecular Mass	The protein has a predicted MW of 102.6 kDa. Due to glycosylation, the protein migrates to 130-140 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.

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Purity	> 95% as determined by Tris-Bis PAGE;> 95% as determined by HPLC
Storage	Valid for 12 months from date of receipt when stored at -80°C; Recommend to aliquot the protein into smaller quantities for optimal storage. Please do not 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

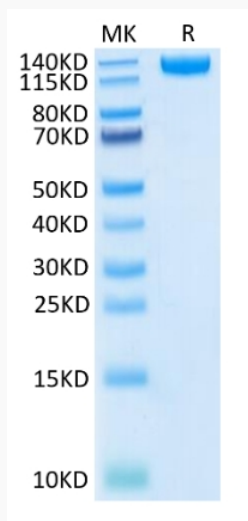
Gene Name	S spike protein [Middle East respiratory syndrome-related coronavirus]
Official Symbol	S
Synonyms	Spike; S1 protein; Spike glycoprotein Subunit1; S glycoprotein Subunit1; Spike protein S1
Gene ID	14254594
Protein Refseq	YP_009724390.1
UniProt ID	P0DTC2

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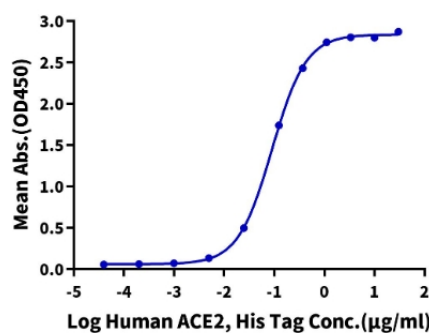
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Tris-Bis PAGE



ELISA Data

Biotinylated SARS-COV-2 Spike S1, hFc Tag ELISA
0.2µg Biotinylated SARS-COV-2 Spike S1, hFc Tag Per Well



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