

Active Recombinant COVID-19 Spike S Trimer protein, His-Avi-tagged, Biotinylated

Cat. No. Spike-010V **Lot. No.** (See product label)

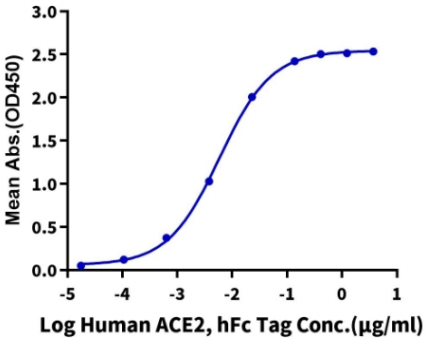
SPECIFICATION

Product Overview	Biotinylated Active Recombinant COVID-19 Spike S Trimer protein(QHD43416.1)(Val16-Glu1188), fused with C-terminal His and Avi tag, was expressed in HEK293.
Species	Sars-CoV-2
Source	HEK293
ProteinLength	Val16-Glu1188
Tag	C-His-Avi
Conjugation/Label	Biotin
Form	Lyophilized from 0.22um filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Biotinylated SARS-COV-2 Spike S (Trimer) , His Tag at 2ug/ml (100ul/well) on the streptavidin precoated plate (5ug/ml). Dose response curve for Human ACE2, hFc Tag with the EC50 of 5.9ng/ml determined by ELISA.
Molecular Mass	The protein has a predicted MW of 136.6 kDa. Due to glycosylation, the protein migrates to 140-170 kDa based on Bis-Tris PAGE result.

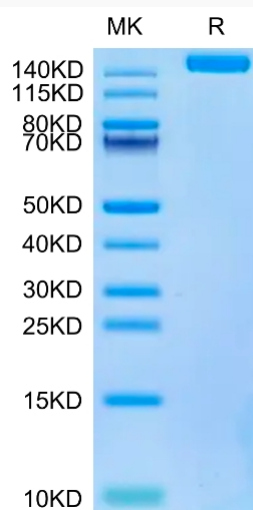
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Endotoxin	Less than 1EU per ug by the LAL method.																
Purity	> 95% as determined by Bis-Tris PAGE																
Storage	Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.																
Reconstitution	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																
Activity	 <table border="1"> <caption>Approximate data points from the activity graph</caption> <thead> <tr> <th>Log Human ACE2, hFc Tag Conc. (µg/ml)</th> <th>Mean Abs.(OD450)</th> </tr> </thead> <tbody> <tr><td>-5</td><td>0.05</td></tr> <tr><td>-4</td><td>0.10</td></tr> <tr><td>-3</td><td>0.40</td></tr> <tr><td>-2</td><td>1.00</td></tr> <tr><td>-1</td><td>2.40</td></tr> <tr><td>0</td><td>2.50</td></tr> <tr><td>1</td><td>2.50</td></tr> </tbody> </table>	Log Human ACE2, hFc Tag Conc. (µg/ml)	Mean Abs.(OD450)	-5	0.05	-4	0.10	-3	0.40	-2	1.00	-1	2.40	0	2.50	1	2.50
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SDS-PAGE



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