

Active Recombinant SARS-COV-2 Spike S1 protein, hFc-Avi-tagged, Low Endotoxin

Cat. No. Spike-2746V **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant SARS-COV-2 Spike S1 protein(QHD43416.1)(14-683 aa), fused with C-terminal hFc and Avi tag, was expressed in HEK293.
Species	SARS-COV-2
Source	HEK293
ProteinLength	14-683 aa
Form	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Human ACE2, His Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for SARS-COV-2 Spike S1, hFc Tag with the EC50 of 92.3ng/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 Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE; > 90% as determined by HPLC
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after

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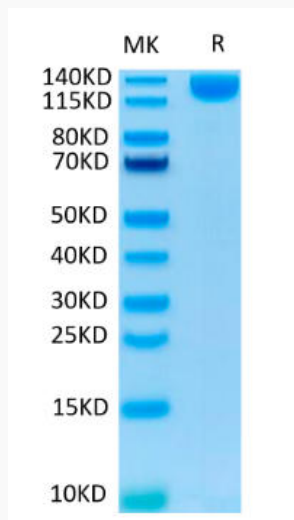
 45-1 Ramsey Road, Shirley, NY 11967, USA

reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

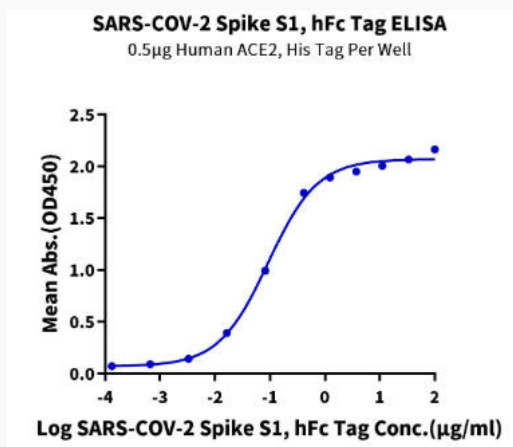
Reconstitution

Dissolve the lyophilized protein in distilled water.

Bis-Tris PAGE



ELISA Data



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