Recombinant COVID-19 Spike S1 (N501Y, K417N, E484K) protein, His-tagged

Cat. No. Spike-5750V **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant COVID-19 Spike S1 (N501Y, K417N, E484K) protein(YP_009724390.1)(Val16-Arg685(N501Y, K417N, E484K)), fused with C-terminal His tag, was expressed in HEK293.
Species	Sars-CoV-2
Source	HEK293
ProteinLength	Val16-Arg685(N501Y, K417N, E484K)
Tag	C-His
Form	Supplied as 0.22μm filtered solution in PBS (pH 7.4).
Bio-activity	Immobilized SARS-COV-2 Spike S1 (N501Y, K417N, E484K) , His Tag at 0.5μg/ml (100ul/Well) on the plate. Dose response curve for Human ACE2, hFc Tag with the EC50 of 0.02μg/ml determined by ELISA.
Molecular Mass	The protein has a predicted MW of 75.9 kDa. Due to glycosylation, the protein migrates to 90-130 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE;> 95% as determined by HPLC

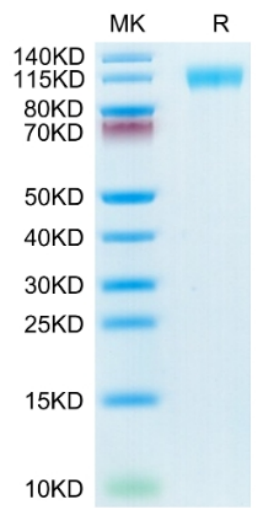
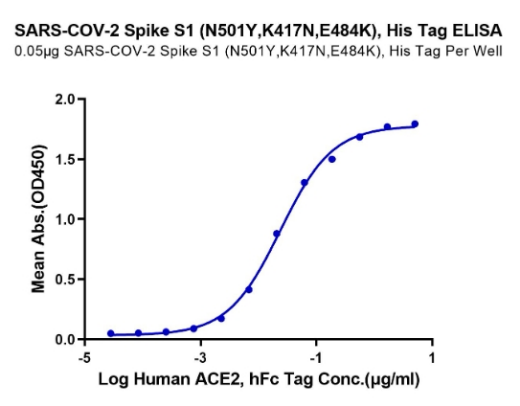
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Storage	Valid for 12 months from date of receipt when stored at -80°C; Recommend to aliquot the protein into smaller quantities for optimal storage. Please do not repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added 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.

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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Tris-Bis PAGE	
ELISA Data	

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