

# Active Recombinant MERS-CoV (NCoV / Novel coronavirus) S Protein, His-tagged

**Cat. No.** S-600V    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant spike protein S1 (Human betacoronavirus 2c EMC/2012)(AFS88936.1)(Met1-Glu725) was fused with a polyhistidine tag at the C-terminus.
<b>Species</b>	MERS-CoV
<b>Source</b>	HEK293
<b>ProteinLength</b>	1-725 a.a.
<b>Predicted N Terminal</b>	Tyr 18
<b>Form</b>	Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 7.4, 10% glycerol, 5%~8% trehalose and mannitol.
<b>Bio-activity</b>	1. Measured by its binding ability in a functional ELISA. Immobilized Spike Protein S1 (aa 1-725) at 10 µg/ml (100 µl/well) can bind biotinylated human DPP4. The EC50 of biotinylated DPP4 is 0.6-1.39 µg/ml. 2. Measured by its binding ability in a functi
<b>Molecular Mass</b>	The recombinant spike protein S1 (Human betacoronavirus 2c EMC/2012) comprises 719 amino acids and has a predicted molecular mass of 79.9 kDa. It migrates as an approximately 94 kDa band in SDS-PAGE under reducing conditions.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.

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<b>Purity</b>	>95 % as determined by SDS-PAGE.
<b>Stability</b>	Samples are stable for up to twelve months from date of receipt at -70°C.
<b>Storage</b>	Store it under sterile conditions at -20°C~-70°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 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

<b>Gene Name</b>	S S protein [ Middle East respiratory syndrome coronavirus ]
<b>Official Symbol</b>	S
<b>Synonyms</b>	spike glycoprotein; S protein
<b>Gene ID</b>	14254594
<b>mRNA Refseq</b>	
<b>Protein Refseq</b>	
<b>MIM</b>	
<b>UniProt ID</b>	

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