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

Cat. No. S-599V **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant spike protein S1 (Human betacoronavirus 2c EMC/2012)(AFS88936.1)(Met1-Glu725) was fused with a polyhistidine tag at the C-terminus.
Species	MERS-CoV
Source	Insect Cells
ProteinLength	1-725 a.a.
Predicted N Terminal	Tyr 18
Form	Lyophilized from sterile 20mM Tris, 500mM NaCl, 10% glycerol, pH 7.4, 5%~8% trehalose and mannitol.
Bio-activity	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 of biotinylated DPP4 is 0.52-1.22 μg/ml. 2. Measured by its binding ability in a funct
Molecular Mass	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.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.

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Purity	>95 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70ºC.
Storage	Store it under sterile conditions at -20ºC~-70ºC. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	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℃ before opening to recover the entire contents.

GENE INFORMATION

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

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