

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

Cat. No. S-602V Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant spike protein fragment (Human betacoronavirus 2c EMC/2012)(AFS88936.1)(Cys383-Lys502) was fused with Fc region of mouse IgG at the C-terminus.
Species	MERS-CoV
Source	Insect Cells
ProteinLength	383-502 a.a.
Predicted N Terminal	Cys 383
Form	Lyophilized from sterile 100mM Glycine, 10mM NaCl, pH 7.0, 5%~8% trehalose and mannitol.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized Spike (HCoV-EMC/2012) at 10 µg/ml (100 µl/well) can bind biotinylated human ACE2-Fc with a linear range of 0.03-4.0 µg/ml.
Molecular Mass	The recombinant spike protein fragment (Human betacoronavirus 2c EMC/2012) comprises 354 amino acids and has a predicted molecular mass of 39.7 kDa. It migrates as an approximately 44 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	>85 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	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.
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°C 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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