

# MERS-CoV CoV Spike glycoprotein (aa 367-606, Fc Tag)



Catalog Number: 504033

## General Information

### Protein Construction

A DNA sequence encoding the spike protein fragment (Human betacoronavirus 2c EMC/2012)(AFS88936.1) (Glu367-Tyr606) was fused with the Fc region of rabbit IgG at the C-terminus.

### Organism

MERS-CoV

### Expression Host

Baculovirus-Insect Cells

## QC Testing

### Purity

> 80 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu\text{g}$  of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at  $-70^{\circ}\text{C}$

### Predicted N terminal

Glu 367

### Molecular Mass

The recombinant spike protein fragment (Human betacoronavirus 2c EMC/2012) comprises 46.4 amino acids and has a predicted molecular mass

of 51.5 kDa. It migrates as an approximately 54.3 kDa band in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile 100 mM Glycine, 10 mM NaCl, pH 7.2.

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

## Usage Guide

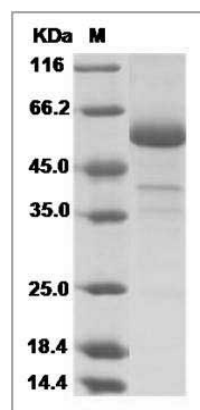
### Storage

Store it under sterile conditions at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$ . It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

## SDS-PAGE



Novel coronavirus (HCoV-EMC/2012) Spike Protein fragment (aa 367-606, Fc Tag) SDS-PAGE