

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 μg of the protein as determined by the LAL method

Stability

Samples are stable for up to twelve months from date of receipt at -70°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

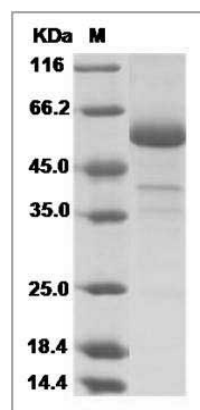
Storage

Store it under sterile conditions at -20°C to -80°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