MERS-CoV CoV Spike glycoprotein (aa 726-1296, His Tag)

Catalog Number: 502466

General Information

Protein Construction

A DNA sequence encoding the spike protein S2 (Human betacoronavirus 2c EMC/2012)(AFS88936.1)(Asp726-Pro1296) was fused with a polyhistidine tag at the C-terminus.

Organism

MERS-CoV

Expression Host

Baculovirus-Insect Cells

QC Testing

Purity

> 85 % 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℃

Predicted N terminal

Asp 726

Molecular Mass

The recombinant spike protein S2 (Human betacoronavirus 2c EMC/2012) comprises 581 amino acids and has a predicted molecular mass of 63.7 kDa. It migrates as an approximately 66 kDa band in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 7.4.
1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

Usage Guide

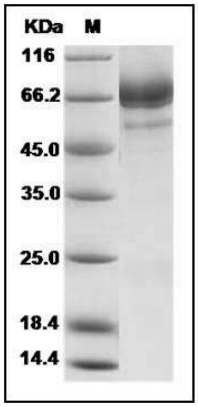
Storage

Store it under sterile conditions at -20℃ to -80℃. 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 S2 (aa 726-1296, His Tag) SDS-PAGE