MERS-CoV CoV Spike glycoprotein (RBD, aa 367-606, His Tag)

Catalog Number: 503288

General Information

Protein Construction

A DNA sequence encoding the receptor binding domain (RBD) of spike protein (Human betacoronavirus 2c EMC/2012)(AFS88936.1) (Glu367-Tyr606) was expressed with a polyhistidine tag at the C-terminus.

Organism

MERS-CoV

Expression Host

Baculovirus-Insect Cells

QC Testing

Purity

> 90 % as determined by SDS-PAGE.

Endotoxin

<1.0 EU per μg 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

Glu 367

Molecular Mass

The recombinant receptor binding domain (RBD) of spike protein (Human betacoronavirus 2c EMC/2012) consists 251 amino acids and predicts a molecular mass of 27.7 kDa.

Formulation

Lyophilized from sterile 20 mM Tris, 500 mM NaCl, 10 % glycerol, 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

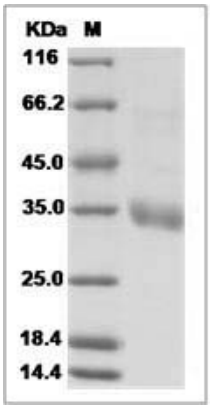
Storage

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



MERS-CoV (HCoV-EMC/2012) Spike Protein fragment (RBD, aa 367-606, His Tag) SDS-PAGE