# EBOV EBOV-G / Glycoprotein (His Tag)

Catalog Number: 503813



## **General Information**

### Gene Name Synonym

GP1,2; GP1; GP2; GP2-delta

#### **Protein Construction**

A DNA sequence encoding Sudan ebolavirus (strain Gulu) GP (YP\_138523.1) (Met1-Asn637) was expressed with a polyhistidine tag at the Cterminus.

## **Organism**

**EBOV** 

# **Expression Host**

**Human Cells** 

# **QC Testing**

# **Purity**

> (51.8+27.5+16.9)% as determined by SDS-PAGE.

#### **Endotoxin**

<1.0 EU per  $\mu g$  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

Met 33

#### **Molecular Mass**

The recombinant Sudan ebolavirus (strain Gulu) GP consists 616 amino acids and predicts a molecular mass of 67.9 kDa.

### **Formulation**

Lyophilized from sterile PBS, 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**

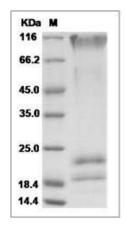
# **Storage**

Store it under sterile conditions at -20°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**



Ebola virus EBOV (subtype Sudan, strain Gulu) GP / Glycoprotein Protein (His Tag)