

# EBOV EBOV-G / Glycoprotein (aa:Met1-Asn637, His Tag)



Catalog Number: 503894

## General Information

### Gene Name Synonym

GP1,2; GP1; GP2; GP2-delta

### Protein Construction

A DNA sequence encoding Sudan ebolavirus (strain Uganda-00) GP (YP\_138523.1) (Met1-Asn637) was expressed with a C-terminal polyhistidine tag.

### Organism

EBOV

### Expression Host

Baculovirus-Insect Cells

## QC Testing

### Purity

> 85 % 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

Met 33

### Molecular Mass

The recombinant Sudan ebolavirus (strain

Uganda-00) GP comprises 616 amino acids and has a predicted molecular mass of 67.9 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

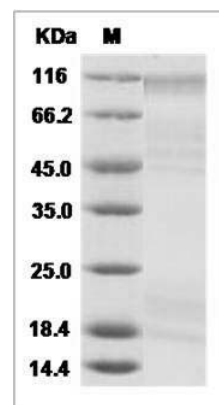
### Storage

Store it under sterile conditions at  $-20^{\circ}\text{C}$  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



Ebola virus EBOV (Subtype Sudan, strain Gulu) Glycoprotein / GP Protein (aa: Met1-Asn637, His Tag)\n