

## General Information

### Gene Name Synonym

GP protein; GP1,2; Virion spike glycoprotein

### Protein Construction

A DNA sequence encoding the Zaire ebolavirus(strain Ebola virus H.sapiens-wt/SLE/2014/ManoRiver-G3686.1) GP (AIE11917.1) (Met1-Gln650,Ser46Asn,Phe291Arg) was expressed with a polyhistidine tag at the C-terminus.

### Organism

EBOV

### Expression Host

Human Cells

## QC Testing

### Purity

> 95 % as determined by SDS-PAGE.

### Endotoxin

< 1.0 EU per  $\mu\text{g}$  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

Ile 33

### Molecular Mass

The recombinant Zaire ebolavirus(strain Ebola virus H.sapiens-wt/SLE/2014/ManoRiver-G3686.1) consists 629 amino acids and predicts a molecular mass of 69.3 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

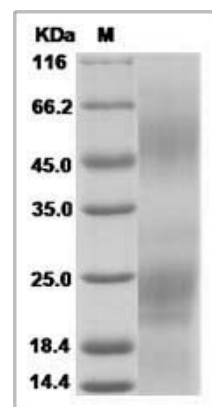
### Storage

Store it under sterile conditions at  $-20^{\circ}\text{C}$  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 Zaire, strain H.sapiens-wt/SLE/2014/ManoRiver-G3686.1) EBOV-G / Glycoprotein Protein (His Tag)