

# Recombinant EBOV (subtype Zaire, strain Mayinga 1976) GP Protein

**Cat. No.** GP-742V    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Zaire ebolavirus (strain Mayinga 1976) GP (AAC54887.1) (Met1-Phe308) was expressed with five amino acids (DDDDK) at the C-terminus.
<b>Species</b>	EBOV
<b>Source</b>	HEK293
<b>ProteinLength</b>	1-308 a.a.
<b>Predicted N Terminal</b>	Ile 33
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.
<b>Molecular Mass</b>	The recombinant Zaire ebolavirus (strain Mayinga 1976) GP consists 282 amino acids and predicts a molecular mass of 31.5 kDa.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Purity</b>	>95 % as determined by SDS-PAGE.
<b>Stability</b>	Samples are stable for up to twelve months from date of receipt at -70°C.
<b>Storage</b>	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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**Reconstitution** It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

<b>Gene Name</b>	GP virion spike glycoprotein precursor [ Zaire ebolavirus ]
<b>Official Symbol</b>	GP
<b>Synonyms</b>	spike glycoprotein; small secreted glycoprotein; second secreted glycoprotein
<b>Gene ID</b>	911829
<b>mRNA Refseq</b>	
<b>Protein Refseq</b>	NP_066246
<b>MIM</b>	
<b>UniProt ID</b>	Q05320

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