

## Recombinant EBOV (subtype Bundibugyo, strain Uganda 2007) GP Protein, His-tagged

**Cat. No.** GP-762V    **Lot. No.** (See product label)

### SPECIFICATION

|                             |                                                                                                                                                |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>     | Recombinant Bundibugyo ebolavirus (strain Uganda 2007) GP (ACI28624.1) (Met1-Arg501) was expressed with a polyhistidine tag at the C-terminus. |
| <b>Species</b>              | EBOV                                                                                                                                           |
| <b>Source</b>               | Insect Cells                                                                                                                                   |
| <b>ProteinLength</b>        | 1-501 a.a.                                                                                                                                     |
| <b>Predicted N Terminal</b> | Ile 33                                                                                                                                         |
| <b>Form</b>                 | Lyophilized from sterile 20 mM Tris, 500 mM NaCl, 10 % glycerol, pH 7.4, 5%~8% trehalose and mannitol.                                         |
| <b>Molecular Mass</b>       | The recombinant Bundibugyo ebolavirus (strain Uganda 2007) GP consists 480 amino acids and predicts a molecular mass of 53.5 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                                                        |

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aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**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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