Recombinant Ebola Virus (subtype Bundibugyo,strain Uganda 2007) GP Protein, His-tagged

Cat. No. GP-635E **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Ebolavirus (subtype Bundibugyo,strain Uganda 2007) Envelope Glycoprotein 1 (GP1), Ile 33-Gln 304 (Accession # ACI28624) was produced in human 293 cells (HEK293)
Species	EBOV
Source	HEK293
ProteinLength	33-304 a.a.
Description	Ebola virus envelope glycoprotein is initially produced as a precursor known as pre-GP, which is cleaved by furin into two subunits, GP1 and GP2, which remain associated through a disulfide linkage between Cys53 of GP1 and Cys609 of GP2. This heterodimer assembles into a 450-kDa trimer at the surface of nascent virions.
Purity	>90% pure by SDS-PAGE
Storage	Store lyophilized product at 4 centigrade for short term, or frozen at -20 centigrade to -80 centigrade for long term.
Reconstitution	It is recommended to reconstitute the protein by adding 250ul sterile water to a stock solution of 200μg/ml. Solubilize for 30 to 60 minutes at room temperature with occasional gentle mixing. We recommend the addition of carrier protein (0.1% (w/v) BSA) for further dilution and long term

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	storage.

GENE INFORMATION

Gene Name	GP spike glycoprotein [Bundibugyo virus]
Official Symbol	GP
Synonyms	GP; spike glycoprotein; small secreted glycoprotein; second secreted glycoprotein; envelope glycoprotein
Gene ID	9487265
mRNA Refseq	FJ217161.1
Protein Refseq	ACI28624.1
UniProt ID	B8XCN0

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