Recombinant Ebola Virus (subtype Zaire,strain Kikwit-95) GP Protein, His-tagged

Cat. No. GP-634E **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Ebolavirus EBOV (subtype Zaire,strain Kikwit-95) Envelope Glycoprotein (GP), Ile 33-Asp 637 (Accession # AAQ55048.1) was produced in human 293 cells (HEK293).
Species	EBOV
Source	HEK293
ProteinLength	33-637 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	>85% 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 500ul 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 storage.

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GENE INFORMATION

Gene Name	GP spike glycoprotein [Zaire ebolavirus]
Official Symbol	GP
Synonyms	GP; spike glycoprotein; small secreted glycoprotein; second secreted glycoprotein; envelope glycoprotein
Gene ID	911829
mRNA Refseq	AY354458.1
Protein Refseq	AAQ55048.1
UniProt ID	Q05320

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