

Recombinant Sudan Ebola Virus Glycoprotein, aa 33-632, C-His tagged

Cat. No. GP-13S **Lot. No.** (See product label)

SPECIFICATION

Product Overview	6×His tagged glycoprotein (GP) (amino acid 33-632) of Sudan ebolavirus (Nakissamata) expressed in 293 cells. Glycosylated recombinant viral protein expressed and purified from 293 cells
Species	Sudan Ebola Virus
Source	HEK293
ProteinLength	33-632
Description	The Ebola virus (EBOV) is a mononegavirus which contains a 19 kb single-stand RNA encoding seven proteins. Rates of genetic change of ebolavirus are 100 times slower than influenza A in humans, but on the same magnitude as those of hepatitis B. The main Ebolavirus glycoprotein (GP) is the only viral protein found on the surface of the Ebola virion and is therefore responsible for mediating attachment and entry of the virus into host cells. The produced GP protein (~120 kDa) is derived from the sequence of a recent Sudan Ebolavirus from Uganda in 2011.
AA Sequence	MPLGVVTNSTLEVTEIDQLVCKDHLASTDQLKSVGLNLEGSGVSTDIPSATKRWGFR SGVPPKVVSYEAGEWAENCYNLEIKKPDGSECLPPPPDGVRGFPFCRYVHKAQGT GPCPGDYAFHKDGAFFLYDRLASTVIYRGVNFAEGVIAFLILAKPKETFLQSPPIREAV NYTENTSSYYATSYLEYEIENFGAQHSTTLFKIDNNTFVRLDRPHTPQFLFQLNDTIHL HQQLSNTTGRLIWTLTDANINADIGEWAFWENKKNLSEQLRGEELSFEALSLNETEDD

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

DAASSRITKGRISDRATRKYSDLVPKNSPGMVPLHIPEGETTLPSQNSTEGRRVGVN
 TQETITETAATIIGTNGNHMQISTIGMRPSSSQIPSSSPTTAPSPEAQTPTTHTSGPSV
 MATEEPTTPPGSSPGPTTEAPTLTTPENITTAVKTVLPQUESTSNGLITSTVTGILGSLG
 LRKRSRRQTNTKATGKCNPNLHYWTAQEQHNAAGIAWIPYFGPGAEGIYTEGLMHN
 QNALVCGLRQLANETTQALQLFLRATTELRTYTILNRKAIDFLLRRWGGTCRILGPDC
 CIEPHDWTKNITDKINQIIHDFIDHHHHHH

Endotoxin	< 0.01 EU/μg of purified protein by LAL test
Purity	> 96% (by SDS-PAGE)
Applications	Western Blot, antigen, ELISA, etc.
Storage	Store at -20 centigrade; Stable for 1-months from the date of shipment when kept at 4 oC. Nonhazardous, no MSDS required.
Concentration	1 μg/μL in PBS (20% glycerol, 0.1% sodium azide)
References	1. Shoemaker, T, et al. Reemerging Sudan ebola virus disease in Uganda, 2011. Emerging Infect. Dis., 18: 1480-1483, 2012

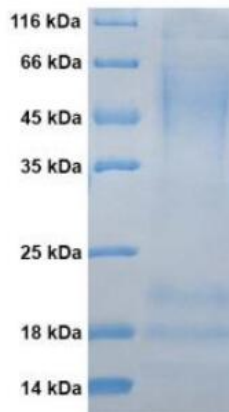
GENE INFORMATION

Official Symbol	GP
Synonyms	GP; Glycoprotein

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

SDS-PAGE

Purified GP protein (aa 33-632) of Sudan Ebolasvirus from 293 cell

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA