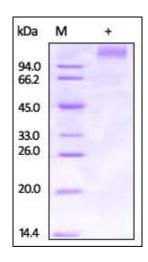
Human CellExp[™] Recombinant EBOV Envelope Glycoprotein 1

CATALOG NO:	P1060-10 P1060-50	10 µg 50 µg
ALTERNATE NAMES:	GP1, GP, Envelope glycoprotein, GP2	
SOURCE:	HEK 293 cells (lle 33 - Arg 501)	
PURITY:	> 95% by SDS-PAGE	
MOL. WEIGHT:	Ebolavirus EBOV (subtype Zaire,strain Kikwit-95) GP1 is fused with a polyhistidine tag at the C-terminus, and has a calculated MW of 51.6 kDa. The predicted N-terminus is Ile 33. DTT-reduced Protein migrates as 120-140 kDa in SDS-PAGE.	
ENDOTOXIN LEVEL:	< 1.0 EU per 1 μ g of protein (determined by LAL method)	
FORM:	Lyophilized	
FORMULATION:	Lyophilized from 0.22 μm filtered solution in PBS, pH 7.4. Generally Mannitol or Trehalose is added as a protectant before lyophilization.	
STORAGE CONDITIONS:	Store at -20°C. After reconstitution, aliquot and store at -20°C and use within 3 months. Avoid repeated freezing and thawing cycles.	
RECONSTITUTION:	7.4 to a concentra	prior to opening. Reconstitute in sterile PBS, pH tion of 50 μ g/ml. Do not vortex. This solution can C for up to 1 month. For extended storage, it is store at -20°C.
DESCRIPTION:	polymerase cofac (VP30), VP24, and kDa envelope-atta glycoprotein (sGP) as trimers on viral and attachment. formed by two sub the proteolytical pr during virus asse receptor(s) on tar CLEC4M/DC-SIGN host cell. GP2 act endothelial cell function. sGP see	seven structural proteins: nucleoprotein (NP), tor (VP35), (VP40), GP, transcription activator d RNA polymerase (L). GP protein contains 160- ched glycoprotein (GP) and a 110 kDa secreted). GP is a class I fusion protein which assembles surface and plays an important role in virus entry Mature GP is a disulfide-linked heterodimer punits, GP1 and GP2, which are generated from rocess of GP precursor (pre-GP) by cellular furin embly. GP1 is responsible for binding to the rget cells. Interacts with CD209/DC-SIGN and NR which act as cofactors for virus entry into the as a class I viral fusion protein. GP mediates activation and decreases endothelial barrier ms to possess an anti-inflammatory activity as it arrier-decreasing effects of TNF alpha.



Recombinant Ebolavirus EBOV:

The purity of Ebolavirus EBOV (subtype Zaire,strain Kikwit-95) GP1 was determined by DTT-reduced (+) SDS-PAGE and staining overnight with Coomassie Blue.

RELATED PRODUCT:

- Human CellExp[™] Recombinant Ebolavirus BDBV Small/secreted Glycoprotein (sGP) (Cat. No. 1059-10, -25)
- Active HIV-2 Protease Recombinant (GST-tagged) (Cat. No. 7851-20, -100)
- Active HIV1 Protease Recombinant (GST-tagged) (Cat. No. 7849-20, -100)
- Human CellExp™ HIV-1 (CN54) GP120 (Cat. No. P1003-20, -100)
- Human CellExp[™] HAVCR1 / KIM1 / TIM1, Human recombinant (Cat. No. 7232-10)
- Human CellExp™ HVEM/TNFRSF14, Human recombinant (Cat. No. 7466-20, -100)
- Human CellExp[™] Influenza A virus / Neuraminidase (NA) (Cat. No. 7508-20)
- Human CellExp™ KIM3/HAVCR2, Human recombinant (Cat. No. 7495-10, -50)
- Human CellExp[™] TPO, Human Recombinant (Cat. No. 6483-10, -50)

FOR RESEARCH USE ONLY! Not to be used on humans.

