

Recombinant HIV-1(group M, subtype CRF07_BC) gp120 protein(Ala29-Glu502), His-tagged

Cat. No. gp120-1091V Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant HIV-1 envelope glycoprotein gp120 (AFM77980.1) (Ala29-Glu502) was expressed in HEK293, fused with a polyhistidine tag at the C-terminus.
Species	HIV
Source	HEK293
ProteinLength	Ala29-Glu502
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The recombinant HIV-1 gp120 consists of 485 amino acids after removal of the signal peptide and has a predicted molecular mass of 54.8 kDa. The apparent molecular mass of the recombinant protein is approximately 70-120 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 95 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

 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



Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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