

Active Recombinant HIV-1 (CM244) GP120 protein, His-tagged

Cat. No. GP120-1520H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant HIV-1 (CM244) GP120 protein(Thr36-Lys511), fused with His tag, was expressed in HEK293.
Species	HIV
Source	HEK293
ProteinLength	36-511 a.a.
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4.
Bio-activity	Immobilized Human CD4, Fc Tag at 5 µg/mL (100 µL/well) can bind HIV-1 [HIV-1/Clade E (CM244)] GP120, His Tag with a linear range of 20-156 ng/mL. Immobilized Biotinylated Human CD4, Fc Tag at 1 µg/mL (100 µL/well) can bind HIV-1 [HIV-1/Clade E (CM244)] GP120, His Tag with a linear range of 0.156-0.313 µg/mL. Immobilized Biotinylated Human CD4, Fc Tag at 1 µg/mL (100 µL/well) on streptavidin precoated (0.2ug/well) plate, can bind HIV-1 [HIV-1/Clade E (CM244)] GP120, His Tag with a linear range of 10-78 ng/mL.
Molecular Mass	This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 54.1 kDa. The protein migrates as 65-110 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Proteinlength	Thr36-Lys511

 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

Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Storage	For long term, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
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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