

Active Recombinant HIV-1 (CN54) GP120 protein, His-tagged

Cat. No. GP120-1522H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant HIV-1 (CN54) GP120 protein(Thr36-Arg507), fused with His tag, was expressed in HEK293.
Species	HIV
Source	HEK293
ProteinLength	36-507 a.a.
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4.
Bio-activity	Immobilized HIV-1 [HIV-1/Clade B/C (CN54)] GP120, His Tag at 5 µg/mL (100 µL/well) can bind Human CD4, Fc Tag with a linear range of 1-39 ng/mL.
Molecular Mass	This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 53.8 kDa. The protein migrates as 85-150 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Proteinlength	Thr36-Arg507
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

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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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