Active Recombinant HIV-1 (16055) GP120 protein, His-tagged

Cat. No. GP120-1521H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant HIV-1 (16055) GP120 protein(Thr34-Arg506), fused with His tag, was expressed in HEK293.
Species	HIV
Source	HEK293
ProteinLength	34-506 a.a.
Form	Lyophilized from 0.22 μm filtered solution in PBS, pH7.4.
Bio-activity	Immobilized Human CD4, Fc Tag at 2 μg/mL (100 μL/well) can bind HIV-1 [HIV-1/Clade C (16055)] GP120, His Tag with a linear range of 0.5-63 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 85-130 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Proteinlength	Thr34-Arg506
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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