

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

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

## SPECIFICATION

|                         |   |
|-------------------------|---|
| <b>Product Overview</b> | Recombinant HIV-1 (CM244) GP120 protein(Thr36-Lys511), fused with His tag, was expressed in HEK293.   |
| <b>Species</b>          | HIV   |
| <b>Source</b>           | HEK293  |
| <b>ProteinLength</b>    | 36-511 a.a.   |
| <b>Form</b>             | Lyophilized from 0.22 µm filtered solution in PBS, pH7.4.   |
| <b>Bio-activity</b>     | 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. |
| <b>Molecular Mass</b>   | 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.   |
| <b>Proteinlength</b>    | Thr36-Lys511  |

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| <b>Endotoxin</b>      | Less than 1.0 EU per µg by the LAL method.  |
| <b>Purity</b>         | >95% as determined by SDS-PAGE.   |
| <b>Storage</b>        | 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. |
| <b>Reconstitution</b> | 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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