

Active Recombinant HIV gp160 Protein, Fc-tagged

Cat. No. gp160-330V **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant HIV-1 envelope glycoprotein gp160 extracellular domain (Ala 29-Ser 661), termed as gp140, was fused with the Fc region of human IgG1 at the C-terminus and a signal peptide at the N-terminus.
Species	HIV
Source	HEK293
ProteinLength	29-661 a.a.
Predicted N Terminal	Ala 29
Form	Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.
Bio-activity	Using the Octet RED System, the affinity constant (Kd) of gp140-Fc bound to human CD4 is 0.3 μ M.
Molecular Mass	The recombinant HIV-1 gp140 consists of 874 amino acids after removal of the signal peptide and has a predicted molecular mass of 98 kDa. The apparent molecular mass of the recombinant protein is approximately 210-230 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per μ g of the protein as determined by the LAL method.
Purity	>95 % as determined by SDS-PAGE.

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Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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