

Active Recombinant HIV(group M, subtype CRF07_BC) gp140 protein, hFc-tagged

Cat. No. gp140-1949H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant HIV(group M, subtype CRF07_BC) gp140 protein(Ala29-Ser661), fused with hFc tag, was expressed in HEK293.
Species	HIV
Source	HEK293
ProteinLength	Ala29-Ser661
Form	Lyophilized from sterile PBS, pH 7.4Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
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

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Purity > 95 % as determined by SDS-PAGE

Storage Samples are stable for up to twelve months from date of receipt at -20°C to -80°C
Store it under sterile conditions at -20°C to -80°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 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Official Symbol gp140

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