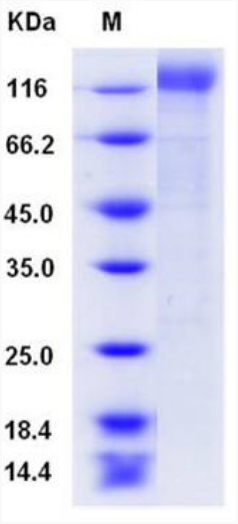
Active Recombinant HIV(group M, subtype CRF07_BC) gp140 protein, His-tagged

Cat. No. Gp140-466H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant HIV(group M, subtype CRF07_BC) gp140 protein(Val30-Tyr677) was expressed in HEK293, fused with the bacteriophage T4 fibritin and a polyhistidine tag at the C-terminus.
Species	HIV
Source	HEK293
ProteinLength	30-677 aa
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-activity	Measured by its ability to biotinylated human CD4-his in functional Elisa.
Molecular Mass	The recombinant HIV-1 gp140 consists of 694 amino acids after removal of the signal peptide and has a predicted molecular mass of 78.2 kDa. The apparent molecular mass of the recombinant protein is approximately 119 KDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Purity	> 94 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to

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	aliquot the protein into smaller quantities 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.
SDS-PAGE	

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