

Recombinant HIV-1(group P, strain RBF168) gp140 protein(Tyr38-Gln684), hFc-tagged

Cat. No. gp140-1278H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant HIV-1 envelope glycoprotein gp160 (ACY40659.1) extracellular domain (Tyr38-Gln684), termed as gp140, was expressed in HEK293 with the Fc region of human IgG1 at the C-terminus.
Species	HIV-1(group P, strain RBF168)
Source	HEK293
ProteinLength	Tyr38-Gln684
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The recombinant HIV1 gp140 (group P) consists 885 amino acids and predicts a molecular mass of 99.4 kDa.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	> 85 % 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.

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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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