

Recombinant HIV-1 (group M, subtype A, isolate 92RW020) gp120 protein(Glu31-Arg494), His-tagged

Cat. No. gp120-3321H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant HIV-1 envelope glycoprotein gp160 (AAT67478.1)(Glu31-Arg494), termed as gp120, was expressed in HEK293 with a polyhistidine tag at the C-terminus.
Species	HIV
Source	HEK293
Protein Length	Glu31-Arg494
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 HIV-1 envelope glycoprotein gp160 consists 465 amino acids and predicts a molecular mass of 52.2 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.

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