

## Recombinant HIV-1(group M, subtype B, Isolate MN) gp120 protein(Thr30-Arg513), His-tagged

Cat. No. gp120-1122V Lot. No. (See product label)

### SPECIFICATION

|                         |   |
|-------------------------|---|
| <b>Product Overview</b> | Recombinant HIV1(group M, subtype B, isolate MN) Envelope glycoprotein gp160 Protein(gp120 subunit) (AAC31819.1) (Thr30-Arg513) was expressed in HEK293 with a polyhistidine tag at the C-terminus.   |
| <b>Species</b>          | HIV   |
| <b>Source</b>           | HEK293  |
| <b>ProteinLength</b>    | Thr30-Arg513  |
| <b>Form</b>             | Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.  |
| <b>Molecular Mass</b>   | The recombinant HIV1(group M, subtype B, isolate MN) Envelope glycoprotein gp160 Protein(gp120 subunit) consists of 495 amino acids and predicts a molecular mass of 55.8 kDa.  |
| <b>Endotoxin</b>        | < 1.0 EU per µg protein as determined by the LAL method.  |
| <b>Purity</b>           | > 95 % as determined by SDS-PAGE.   |
| <b>Storage</b>          | 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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