

## Recombinant HIV gp160 Protein, His-tagged

**Cat. No.** gp160-732V    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                   |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant HIV-1 envelope glycoprotein gp160 (ACY40659.1) extracellular domain (Tyr38-Arg527), termed as gp120, was expressed with a polyhistidine tag at the C-terminus.                                                                        |
| <b>Species</b>          | HIV                                                                                                                                                                                                                                               |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                            |
| <b>ProteinLength</b>    | Tyr38-Arg527                                                                                                                                                                                                                                      |
| <b>Form</b>             | Lyophilized from sterile 50 mM Tris, pH 8.0.<br>Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.                                                                                          |
| <b>Molecular Mass</b>   | The recombinant HIV1 gp120(group P) consists 501 amino acids and predicts a molecular mass of 56.2 kDa.                                                                                                                                           |
| <b>Endotoxin</b>        | < 1.0 EU per µg protein as determined by the LAL method.                                                                                                                                                                                          |
| <b>Purity</b>           | > 90 % 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<br>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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