

## Recombinant HIV-1(group M, subtype C, strain 92BR025) Gag protein(Pro133-Leu363), His-tagged

**Cat. No.** Gag-1116V **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant HIV1 Gag-P24 (subtype C) (AAB61122.1) (Pro133-Leu363) was expressed in E. coli with a polyhistidine tag at the C-terminus.                                                                                                          |
| <b>Species</b>          | HIV                                                                                                                                                                                                                                             |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                          |
| <b>ProteinLength</b>    | Pro133-Leu363                                                                                                                                                                                                                                   |
| <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 Gag-P24 (subtype C) consists of 238 amino acids and predicts a molecular mass of 26.5 kDa. It migrates as an approximately 27 kDa band in SDS-PAGE under reducing conditions.                                              |
| <b>Purity</b>           | > 85 % 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. |
| <b>Reconstitution</b>   | 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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