

# Recombinant HIV gag protein(Pro133-Leu363), His-tagged

**Cat. No.** gag-314H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant HIV-1 gag protein (ACI05538.1)(Pro 133-Leu 363), known as core nucleocapsid protein P24 was expressed in E. coli, with a polyhistidine tag at the C-terminus and a Met at the N-terminus.                                           |
| <b>Species</b>          | HIV                                                                                                                                                                                                                                             |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                          |
| <b>ProteinLength</b>    | Pro133-Leu363                                                                                                                                                                                                                                   |
| <b>Form</b>             | Lyophilized from sterile 0.14M PB, 0.5M NaCl, 20% glycerol, 1mM DTT, pH 8.0. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.                                                           |
| <b>Molecular Mass</b>   | The recombinant human HIV-1 Gag-p24 protein comprises 240 amino acids and has a predicted molecular mass of 26.5 kDa as estimated in SDS-PAGE under reducing conditions.                                                                        |
| <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. |
| <b>Reconstitution</b>   | It is recommended that sterile water be added to the vial to prepare a stock solution of                                                                                                                                                        |

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0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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