

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

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

SPECIFICATION

Product Overview	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.
Species	HIV
Source	E.coli
ProteinLength	Pro133-Leu363
Form	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.
Molecular Mass	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.
Purity	> 95 % 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.
Reconstitution	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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