

Recombinant HIV gag Protein, His-tagged

Cat. No. gag-356V **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant amino acid (Pro 133-Leu 363) of HIV-1 gag protein (ACI05538.1), known as core nucleocapsid protein P24 was expressed, with a polyhistidine tag at the C-terminus and a Met at the N-terminus.
Species	HIV
Source	E.coli
ProteinLength	133-363 a.a.
Predicted N Terminal	Met 1
Form	Lyophilized from sterile 0.14M PB, 0.5M NaCl, 20% glycerol, 1mM DTT, pH 8.0, 5%~8% trehalose and mannitol.
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.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	>95 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage

Store it under sterile conditions at -20°C~-70°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 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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