

## Recombinant HIV gag Protein, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	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.
<b>Species</b>	HIV
<b>Source</b>	E.coli
<b>ProteinLength</b>	133-363 a.a.
<b>Predicted N Terminal</b>	Met 1
<b>Form</b>	Lyophilized from sterile 0.14M PB, 0.5M NaCl, 20% glycerol, 1mM DTT, pH 8.0, 5%~8% trehalose and mannitol.
<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>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Purity</b>	>95 % as determined by SDS-PAGE.
<b>Stability</b>	Samples are stable for up to twelve months from date of receipt at -70°C.

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**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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