

Recombinant HIV gag-pol Protein, His-tagged

Cat. No. gag-pol-423H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant HIV gag-pol (NP_057849.4) (Pro588-Phe1027) was expressed with a polyhistidine tag at the N-terminus.
Species	HIV
Source	E.coli
ProteinLength	Pro588-Phe1027
Predicted N Terminal	Met
Form	Lyophilized from sterile 50 mM Tris, 250 mM NaCl, 1 mM EDTA, 50 % glycerol, pH 7.0. Normally 5 %- 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The recombinant p51 (Reverse Transcriptase) of human immunodeficiency virus gag-pol consists 458 amino acids and predicts a molecular mass of 53.6 kDa.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	> 90 % as determined by SDS-PAGE.
Storage	Samples are stable for up to twelve months from date of receipt at -70 centigrade. Store it under sterile conditions at -20 centigrade to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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Reconstitution

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.

GENE INFORMATION**Official Symbol**

[gag-pol](#)

Synonyms

Gag-Pol;Gag-Pol polyprotein;aspartic peptidase;p66 subunit;integrase;Gag-Pol Transframe peptide;Pol;reverse transcriptase p51 subunit

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