



## Recombinant HIV-1-p24gag

- PRODUCT CODE :** AG 6054
- VIAL SIZES :** 0.1mg and 0.5mg vials
- PRESENTATION :** Freeze-dried in 1mM sodium citrate, pH 5, without preservative.
- COMPOSITION :** Recombinant capsid protein HIV-1-p24 consisting of 234 amino acids. The amino acid sequence is MNSAM-aa(3-231) in comparison to the authentic HIV-1-p24 gag protein (BH 10) published by Ratner et al. (1985), Nature, 313, 277-284
- PREPARATION :** Direct expression of the capsid protein by use of the translation coupling effect between the starting partial protein lambda cro and the sequence of the capsid protein HIV-p24gag. Host cell E. coli LE392; expression plasmid : pTCA5. Final purification is achieved by FPLC ion-exchange chromatography on Mono S-Sepharose Fast Flow (Pharmacia).
- ACTIVITY :** The serological activity of this recombinant antigen has been checked by a sandwich ELISA using epitope specific anti-p24 (HIV-1) polyclonal antibodies as capture antibodies and a monoclonal anti-p24 (HIV-1) antibody as detection antibody.
- RECONSTITUTION :** Reconstitute with sterile double distilled water. The amount of sterile double distilled water can vary depending on the final concentration desired.
- STORE :** at +2 to +8°C  
Reconstituted product should be stored in aliquots at -20°C.

**FOR RESEARCH USE ONLY**

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QUALITY  
ISO 9001:2008  
NSAI Certified





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### **Amino Acid Sequence**

Amino acid sequence of the recombinant capsid protein HIV-1 p24gag consisting of 234 amino acids in comparison to the authentic capsid protein HIV-1 p24/p25 of strain BH10  
Lit. ref. Ratner et al. (1985) Nature, 313, 277-284

PIR Protein data base Release 42,  
Record 10411, FOVWH3, Protein, 231 amino acids gag polyprotein - human immunodeficiency virus type 1 (isolate HTLV-III, BH10)

<u>MNS</u> AM VQNIQGQM VHQAISPRTL NAWVKVVEEK AFSPEVIPMF SALSEGATPO DLNTMLNTVG	63
PI VQNIQGQM VHQAISPRTL NAWVKVVEEK AFSPEVIPMF SALSEGATPO DLNTMLNTVG	60
GHQAAMQMLK ETINEEAAEW DRVHPVHAGP IAPGQMREPR GSDIAGTTST LOEQIGWMTN	123
GHQAAMQMLK ETINEEAAEW DRVHPVHAGP IAPGQMREPR GSDIAGTTST LOEQIGWMTN	120
NPPIPVGEIY KRWILGLNK IVRMYSPTSI LDIRQGPKPE FRDYVDRFYK TLTRAEQASQE	183
NPPIPVGEIY KRWILGLNK IVRMYSPTSI LDIRQGPKPE FRDYVDRFYK TLTRAEQASQE	180
VKNWMTETLL VQANPDCKT ILKALGPAAT LEEMMTACQG VGGPGHKARV L	234
VKNWMTETLL VQANPDCKT ILKALGPAAT LEEMMTACQG VGGPGHKARV L	231

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