

## HIV-1 Capsid Protein p24, His Tag, E. coli

<b>Catalog Number</b>	LDG030PVE
<b>Package</b>	100 µg / Customized package

For full product information, images and publications, please visit [our website](#).



### Overview

#### Description

The p24 protein of HIV-1 plays a critical role as a core structural component essential for virus assembly. Its measurement serves as an indicator of HIV-1 infection. AIDS symptoms and a decline in CD4 T-cell count usually manifest approximately two weeks following HIV infection, showing a correlation with elevated levels of both the virus and p24 protein. Additionally, a reduction in p24 antibody levels proves to be a valuable prognostic marker.

### Specifications

#### Species of Origin

Human Immunodeficiency Virus

#### Expression System

Escherichia coli

#### Affinity Tag

His Tag (N-term)

#### Storage Buffer

Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

#### Purity

>90% as determined by SDS-PAGE analysis.

#### Molecular weight

The protein has a calculated MW of 26.52 kDa.  
The protein migrates as 22-24 kDa under reducing condition (SDS-PAGE analysis).

#### Endotoxin Level

<1 EU per 1 µg of the protein by the LAL method.

#### Form

Lyophilized

### Background

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**Synonyms**

Gag

**Uniprot ID**

P04591

**Sequence Note**

Pro133 - Leu363

**Instruction**
**Reconstitution**

It is recommended to reconstitute the lyophilized protein in sterile H<sub>2</sub>O to a concentration of 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

**Shipping**

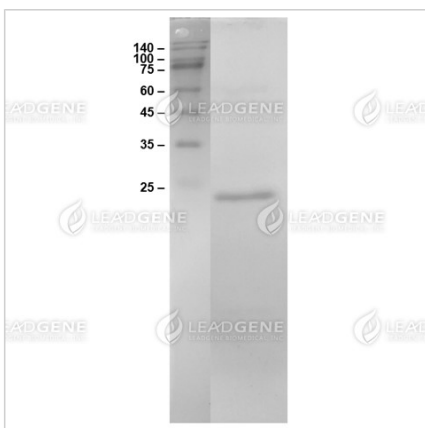
The product is shipped with polar packs. Upon receipt, store it immediately at -20°C or lower for long term storage.

**Stability & Storage**


This product is stable after storage at:

- -20°C or -80°C for 12 months under sterile conditions from date of receipt.


Avoid repeated freeze/thaw cycles.


**Image**


SDS-PAGE analysis of HIV-1 capsid protein p24.

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