

HIV HIV-1 Gag-p24 (His Tag) recombinant protein



Catalog Number: 502414

General Information

Gene Name Synonym

Pr55Gag; Matrix protein p17; Capsid protein p24; Spacer peptide 1; p2; Nucleocapsid protein p7; Spacer peptide 2; p1; p6-gag

Protein Construction

A DNA sequence encoding the HIV1 Gag-P24 (subtype B) (AAB50258.1) (Pro133-Leu363) was expressed with a polyhistidine tag at the C-terminus.

Organism

HIV

Expression Host

E. coli

QC Testing

Purity

> 90 % as determined by SDS-PAGE

Endotoxin

Please contact us for more information.

Stability

Samples are stable for up to twelve months from date of receipt at -70°C

Predicted N terminal

His

Molecular Mass

The recombinant HIV1 Gag-P24 (subtype B) consists of 238 amino acids and predicts a molecular mass of 26.5 kDa. It migrates as an approximately 27 kDa band in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile PBS, pH 7.4.

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

Usage Guide

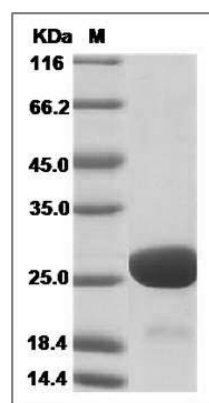
Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



Human Immunodeficiency Virus type 1 (HIV-1) Gag-p24 Protein (subtype B, His Tag) SDS-PAGE