

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



Catalog Number: 502762

General Information

Protein Construction

A DNA sequence encoding the 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.

Organism

HIV

Expression Host

E. coli

QC Testing

Purity

> 95 % 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

Met 1

Molecular Mass

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.

Formulation

Lyophilized from sterile 0.14M PB, 0.5M NaCl, 20% glycerol, 1mM DTT, pH 8.0
1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

Usage Guide

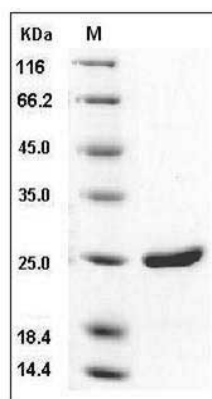
Storage

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 (His Tag) SDS-PAGE