

Recombinant hiv-1 Gag p24 protein

Catalog Number: ATGP0671

PRODUCT INFORMATION

Expression system

E.coli

Domain

155-321aa

UniProt No.

P12493

NCBI Accession No.

AAA44987.1

Alternative Names

Group-specific antigen - p24, CA, Capsid protein p24, Group-specific antigen - p24

PRODUCT SPECIFICATION

Molecular Weight

21.2 kDa (188aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 100mM NaCl, 0.1mM PMSF, 10% glycerol

Purity

> 80% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

The HIV1 p24 protein performs highly complex orchestrated tasks during the assembly, budding maturation and infection stages of the viral replication cycle. During viral assembly, the proteins form membrane associations and self-associations that ultimately result in budding of an immature virion from the infected cell. Gag p24, the major capsid protein of the HIV-1 virion, has been used in clinical trials as one of the components of the HIV-1 vaccine because of the high degree of sequence conservation between different isolates. Recombinant HIV1-p24 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional

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chromatography.

Amino acid Sequence

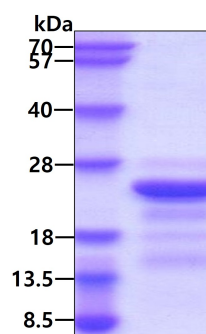
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TINEEAAEWD RLHPVHAGPI APGQMREPRG SDIAGTTSTL QEIQWMTHN PPIPVG E IYK RWIILGLNKI VRMYSPTSIL
DIRQGPKEPF RDYVDRFYKT LRAEQASQEV KNWMTETL

General References

Bernard NF., et al. (2009) Clin Immunol. 131(2):277-87.
Wagstaff M., et al. (1995) Immunology. 86(1):85-96.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.