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HIV-1 p24, His

HIV-1 p24 Recombinant, His Tag
VAG0329

Product Overview

Name	HIV-1 p24, His

Description

HIV-1 p24 Recombinant, His Tag

Introduction

The HIV1 p24 His Tag protein performs complex orchestrated tasks during the assembly, budding maturation and infection stages of the viral replication cycle. Throughout viral assembly, the proteins form membrane associations and self-associations that ultimately result in budding of an immature virion from the infected cell. HIV-1 P24 gag, the key capsid protein of the HIV-1 virion, is used in clinical trials as one of the components of the HIV-1 vaccine because of the great extent of sequence homology between different isolates.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered colorless solution.

Formulation

The HIV-1 p24 protein solution contains 20mM Tris-HCl pH-8, 0.1mM PMSF, 0.1M NaCl and 10% glycerol.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Purity

Greater than 80.0% as determined by SDS-PAGE.

Amino acid sequence

MGSSHHHHHH SSGLVPRGSH M WVKVVEEKA FSPEVIPMFS ALSEGATPQD LNTMLNTVGG HQAAMQMLKE TINEEAAEWD RLHPVHAGPI APGQMREPRG SDIAGTTSTL QEQIGWMTHN PPIPVGEIYK RWIILGLNKI VRMYSPTSIL DIRQGPKEPF RDYVDRFYKT LRAEQASQEV KNWMTETL.

Precautions

HIV-1 p24, His is for research use only and not for use in diagnostic or therapeutic procedures.