

Recombinant HIV p24 protein (C-6His)

Catalog Number:PKSV030277



Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Synonyms	Capsid protein p24;Human immunodeficiency virus 1;Human immunodeficiency virus type 1 p24
Species	HIV
Expression Host	E.coli
Sequence	Met142-Gly355
Accession	P12493
Calculated Molecular Weight	24.6 kDa
Observed molecular weight	25 kDa
Tag	C-His

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	Please contact us for more information.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < - 20°C.
Formulation	Supplied as a 0.2 µm filtered solution of 20mM Tris-HCl, 150mM NaCl, 5% Trehalose, 5% Mannitol, 0.01% Tween 80, 1mM EDTA, pH 9.0.
Reconstitution	Not Applicable

Background

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 C-terminus, was expressed in E.coli and purified by using conventional chromatography.

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