

Recombinant HIV p24 protein (C-6His)

Catalog Number: PKSV030277

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

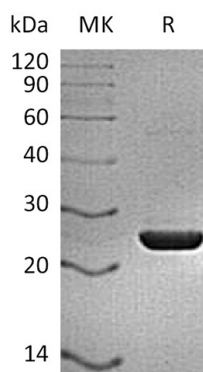
Description

Species	HIV
Source	E.coli-derived HIV p24 protein Met142-Gly355, with an C-terminal His
Calculated MW	24.6 kDa
Observed MW	25 kDa
Accession	P12493
Bio-activity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Concentration	Subject to label value.
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.

Data



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.