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Recombinant HIV-1 p24

REP0034 – REP0011

50µg –100µg

Description

HIV-1 gag protein is a polyprotein which, during viral maturation, is cleaved to release matrix p17, core p24 and nucleocapsid proteins. Capsid protein p24 forms the conical core that encapsulates the genomic RNA-nucleocapsid complex in the virion. The core is constituted by capsid protein hexamer subunits and is disassembled soon after virion entry. The p24 antigen contains epitopes that prime helper CD4 T-cells, which have been demonstrated to be protective and it can elicit lymphocyte proliferation.

Product type

Recombinant protein

Peptide

Full-length protein: HIV-1 p24 – – Accession number: **Q9WMV8**

Expression system

Escherichia coli

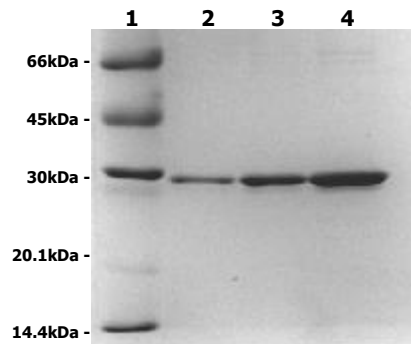
Tested by

SDS Page, Western Blotting

Purity

>95% estimated by SDS-PAGE (EU Ph. 5.0 § 2.5.31)

Purified recombinant HIV-1 p24 protein (lane 1, molecular weight standard; lane 2, 1µg; lane 3, 2.5µg; lane 4, 5µg) was separated by SDS-PAGE (12% polyacrylamide) and stained with Coomassie Blue.



Form

Lyophilized.
 The protein should be reconstituted in aprotogenic sterile water or 1X PBS.

Storage buffer

Preservative 1% glycerol.

Storage instructions

Shipped at room temperature. The lyophilized protein is stable for 24 months if stored at -20°C. The reconstituted solution must be used immediately.