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Recombinant HIV-1 Nef Clade B**REP0035 – REP0042****50µg – 100µg****Description**

HIV-1 Nef is a 27kDa protein abundantly produced shortly after virus infection. Nef is an essential factor for efficient viral replication and pathogenesis, it also facilitates virus replication and enhances virions infectivity. Nef exerts pleiotropic effects: down-modulates surface MHC-I molecules, decreases cell surface CD4 antigen by interacting with the Src family kinase LCK, protects the infected cell from apoptosis in order to keep it alive until the next virus generation is ready to strike. Nef protein bypasses host T-cell signaling by inducing a transcriptional program nearly identical to that of anti-CD3 cell activation.

Product type

Recombinant protein

Peptide

Recombinant full-length protein: HIV-1 Nef – Accession number: **CAA41585**

Expression system

Escherichia coli

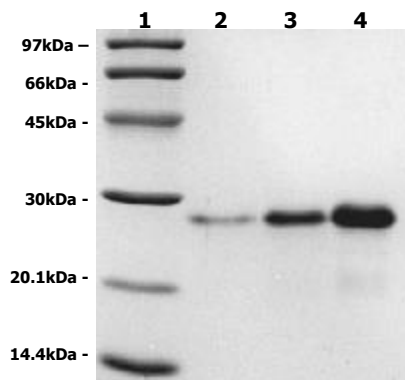
Tested by

SDS-PAGE, HPLC, endotoxin assay

Purity

>90% estimated by analysis of Coomassie blue-stained SDS-PAGE and HPLC.

Purified recombinant Nef clade B (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 apyrogenic 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 has to be used immediately.