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## Recombinant HIV-1 Nef Biotin Conjugated

**REP0046**  
**100µg**

**Description**

Recombinant (HIV-1) Nef biotin-conjugated.

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**

Protein biotinylated with NHS biotin.

**Peptide**

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

**Expression system**

*Escherichia coli*

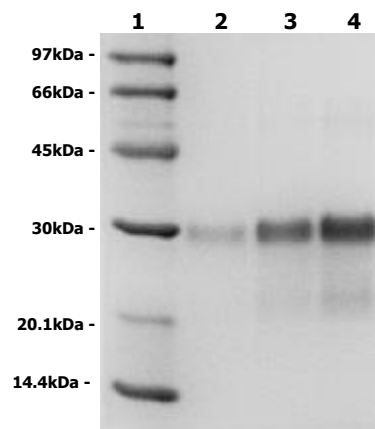
**Tested by**

Western Blotting, ELISA

**Purity**

>90% pure estimated by SDS-PAGE (EU Ph. 5.0 § 2.5.31)

Purified recombinant nef biotin conjugated (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**

Liquid.

**Storage buffer**

1X PBS, 0.05%(v/v) glycerol.

**Storage instructions**

Shipped on dry ice. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.