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## Product Data Sheet

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Product Name: HIV-1 NEF Biotin  
Cat. No.: GP26437  
Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	withIcePacks
Formulation	HIV-1 nef Biotin protein solution containing PBS & 0.05%(v/v) glycerol.		

### Introduction

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

### Stability

HIV-1 nef Biotin although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles

### Background

Recombinant HIV-1 nef Biotin Labeled is a full length protein produced in E.coli and having a molecular mass of 27kDa. HIV-1 nef Biotin is purified by proprietary chromatographic technique.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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