Recombinant HIV-1 Nef

Cat. No. Nef-94H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant HIV-1 Nef was expressed in E. coli.
Species	HIV
Source	E.coli
Description	HIV-1 Nef is one of the accessory proteins synthesized in the early stage of AIDS virus reproduction and is abundantly found in infected cells. The name derives from its negative factor thought at the beginning but presently it is remarked as the protein which bears the most distinctive biological characteristic of AIDS virus. The protein interacts directly with the signal transduction protein of the host T cells and works effectively on AIDS infection or on long term survival of the infected cells or induces apoptosis of non-infected cells. It is also involved in endocytosis and degradation of the cell surface receptor proteins such as CD4 and MH4 which are important for AIDS virus infection.
Form	50% glycerol, 20 mM Tris-HCl (pH 7.5), 50 mM NaCl, 10 mM mercaptoethanol
Molecular Mass	Its molecular size is 27kD, same as that of Nef purified from AIDS virus particles.
Purity	Over 90% by SDS-PAGE (CBB staining)
Applications	1) For functional studies of HIV-1 Nef protein2) Used as standard for the titration analysis of HIV-1 Nef antigen3) It can be used as Nef antigen in detection of anti-HIV-1 Nef antibody by Western blotting or ELISA.

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Storage	Store at -20ºC
Concentration	0.48 mg/ml as determined by BCA method

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