

Recombinant HIV-1 Nef

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

SPECIFICATION

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|-------------------------|---|
| Product Overview | Recombinant HIV-1 Nef was expressed in E. coli. |
| Species | HIV |
| Source | E.coli |
| Description | <p>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.</p> |
| 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 | <p>1) For functional studies of HIV-1 Nef protein 2) Used as standard for the titration analysis of HIV-1 Nef antigen 3) It can be used as Nef antigen in detection of anti-HIV-1 Nef antibody by Western blotting or ELISA.</p> |

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Storage

Store at -20°C

Concentration

0.48 mg/ml as determined by BCA method

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