HIV-1 Nef protein

05-011  20 ug,  05-012  100 ug

Storage: Ship with ice-pack and store at 20°C.
Product: Full-size recombinant HIV-1 Nef protein expressed in E.coli. No tag is attached.
Applications:
1) Functional studies of HIV-1 Nef protein
2) SDS-PAGE and Western blotting
3) ELISA
Purity: Over 90% by SDS-PAGE
Form: 50% glycerol, 20 mM Tris-HCl (pH 7.5), 50 mM NaCl, 10 mM mercaptoethanol
Data Link: ProtKB: P03406 (NEF_HV1BR)  GenBank: AAA44988.1

Background: 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 (1). 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 (2). 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.

References

Fig.1  SDS-polyacrylamide gel electrophoresis of HIV-1 Nef protein.