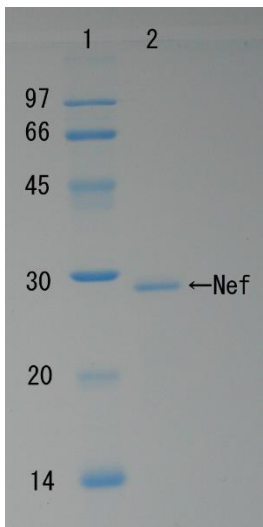


## HIV-1 Nef protein

<b>Product code</b>	05-011      05-012
<b>Size</b>	20 µg      100 µg
<b>Storage</b>	-20°C
<b>Product Description</b>	Full-size recombinant HIV-1 Nef protein expressed in <i>E.coli</i> . No tag is attached.
<b>Concentration</b>	1.0 mg/ml as measured by BCA method
<b>Buffer</b>	50% glycerol, 20mM Tris-HCl (pH7.5), 50mM NaCl, 10mM 2-mercaptoethanol
<b>Purity</b>	Over 90% by SDS-PAGE (CBB staining)
<b>Application</b>	<ol style="list-style-type: none"> <li>1. Functional studies of HIV-1 Nef protein</li> <li>2. SDS-PAGE and Western blotting</li> <li>3. ELISA</li> </ol>
<b>Background</b>	<p><b>HIV-1 Nef</b> 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 <u>negative</u> 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.</p>
<b>Data Image</b>	<p><b>Fig.1</b> SDS-polyacrylamide gel electrophoresis of HIV-1 Nef protein.</p> 
<b>Data Link</b>	GenBank: <a href="#">P03406</a> (NEF_HV1BR)      GenBank: <a href="#">AAA44988.1</a>
Please note: All products are FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES. NOT FOR MILITARY USE.	

**References:** 05-011, 05-012 HIV-1 Nef protein

1. Arora VK *et al* "Nef: agent of cell subversion." *Microbes Infect* **4**: 189-199 (2002) Review PMID: [11880052](#)
2. Fackler OT and Baur AS "Live and let die: Nef functions beyond HIV replication." *Immunity* **16**:493-497 (2002) Review PMID: [11970873](#)
3. Adachi A *et al* "Production of acquired immunodeficiency syndrome-associated retrovirus in human and nonhuman cells transfected with an infectious molecular clone." *J Virol* **59**: 284 -291(1986) PMID: [3016298](#)

**Related products**

65-015 Anti-HIV-1 Nef antibody, rabbit serum

65-025 Anti-HIV-1 Nef antibody, rabbit polyclonal