



Recombinant HIV type 1 Nef Antigen (a.a. 3-190) [BGAL] (DAG568)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Recombinant Human Immunodeficiency Virus Type 1 Nef Antigen Strain IIIB (a.a. 3-190). HIV-1 nef antigen a.a 3 to a.a 190 of the HIV-1 nef region. 20kDa with Beta-galactosidase (114 kDa) fused at the N-terminus. Reactive with human HIV positive serum. It w
Species	HIV
Purity	> 95% pure (SDS-PAGE)
Conjugate	Beta-galactosidase
Applications	Suitable for use in EIA, Western Blot and Lateral Flow Assays.
Molecular Weight	1340 kDa
Format	Liquid
Concentration	1 mg/ml (OD280nm)
Buffer	8M Urea, 20mM Tris-HCl, pH 8.0; 10mM Beta-mercaptoethanol
Preservative	None
Storage	Short-term (up to 2 months) store at 2–8°C. Long term, aliquot and store at -80°C. Avoid multiple freeze/thaw cycles.

BACKGROUND

Introduction	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
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factor thought at the beginning but presently it is remarked as the protein which bears a most distinctive biological characteristic of AIDS virus. The protein interacts directly with the signal transduction protein of the host T cell 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 the endocytosis and degradation of cell surface receptor proteins such as CD4 and MH4 which are important for AIDS virus infection.

Keywords

Human Immunodeficiency Virus; HIV Nef; HIV; HIV-1 Nef; HIV-1; HIV type 1 Nef
