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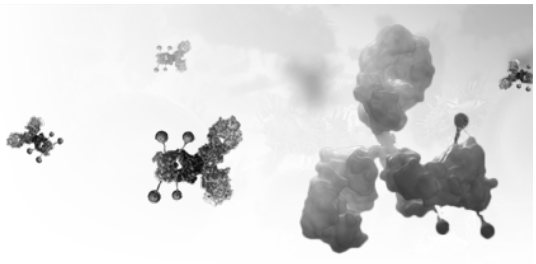

Recombinant SIVs type 1 (mac239) Nef Protein [His] (DAG2316)

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

PRODUCT INFORMATION

Product Overview	C-terminal 6xHis tagged SIV-1 Nef(mac239) protein
Antigen Description	Nef (Negative Regulatory Factor) is a protein expressed by primate lentiviruses. These include human immunodeficiency viruses (HIV-1 and HIV-2) and simian immunodeficiency virus (SIV). Nef is one of many pathogen-expressed proteins, known as virulence factors, which function to manipulate the host's cellular machinery and thus allow infection, survival or replication of the pathogen. Nef stands for "Negative Factor"
Species	SIV
Purity	≥ 90%
Conjugate	His
Applications	WB standard, antibody ELISA, etc
Format	Each vial contains 100 µg of lyophilized protein in 500mM NaCl, 50mM Phosphat buffer (pH 7.4), 200mM Imidazole, 8M urea.
Concentration	1 mg/ml
Size	100 µg, 1 mg
Preservative	None
Storage	2-8°C short term, -20°C long term

BACKGROUND

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Introduction	Human immunodeficiency virus (HIV) is a lentivirus (a member of the retrovirus family) that causes acquired immunodeficiency syndrome (AIDS), a condition in humans in which progressive failure of the immune system allows life-threatening opportunistic infections and cancers to thrive. Infection with HIV occurs by the transfer of blood, semen, vaginal fluid, pre-ejaculate, or breast milk. Within these bodily fluids, HIV is present as both free virus particles and virus within infected immune cells. The four major routes of transmission are unsafe sex, contaminated needles, breast milk, and transmission from an infected mother to her baby at birth (perinatal transmission). Screening of blood products for HIV has largely eliminated transmission through blood transfusions or infected blood products in the developed world.
Keywords	F protein; F-protein; Nef; Negative factor; p27; VAN; HIV-1; Human Immunodeficiency Virus Type 1; HIV-1 nef; Human Immunodeficiency Virus Type 1 nef; Retroviridae; Lentivirus

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