

Product datasheet

Recombinant HIV1 Nef protein (Beta-Galactosidase)
 ab49060

Overview

Product name	Recombinant HIV1 Nef protein (Beta-Galactosidase)
Protein length	Protein fragment

Description

Nature	Recombinant
Source	Escherichia coli

Amino Acid Sequence

Additional sequence information	Fused with β -galactosidase at the N-terminus.
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Specifications

Our [Abpromise guarantee](#) covers the use of **ab49060** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Biological activity	Reacts strongly with human HIV positive serum.
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Applications	ELISA
	Western blot

Purity	> 95 % SDS-PAGE.
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Form	Liquid
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Additional notes	Reacts strongly with human HIV positive serum.
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Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
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Preservative: None

Constituents: 0.014M Beta mercaptoethanol, 0.01M Sodium carbonate, 0.01M EDTA

General intro

Relevance

Nef is a early protein that appears to play a role in optimizing the host cell environment for viral replication without causing cell death by apoptosis. Nef enhances virus infectivity and pathogenicity. It down modulates surface MHC I molecules and internalized molecules are sequestered to the trans-Golgi network. The number of cell surface CD4 antigen are decreased by interacting with the Src family kinase LCK thereby inducing LCK CD4 dissociation and by increasing clathrin-dependent endocytosis of this antigen to target it to lysosomal degradation.

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