



NIH AIDS Reagent Program

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DATA SHEET

Reagent:	HIV-1 Nef Expression Vector (pLconsnefSN)
Catalog Number:	3297
Lot Number:	150266
Release Category:	C
Provided:	5 µg of purified DNA stabilized in DNASTable <i>PLUS</i> and dried
Cloning Site:	EcoRI.
Cloning Vector:	MuLV vector LXS _N . Confers ampicillin resistance in bacteria and G418 resistance in animal cells.
Description:	Full-length consensus nef gene derived from the analysis of 54 HIV-1 patient isolates.
Special Characteristics:	<p>Full-length consensus nef gene (639 bp) was derived using overlapping PCR amplification. The nef gene is transducible by retrovirus mediated gene transfer. For expression of Nef in mammalian cells following packaging using a MuLV packaging cell line.</p> <p>Contributor provided sequence information</p> <p>This reagent is currently being provided as purified DNA stabilized in DNASTable <i>PLUS</i> and dried. Please see the notice for additional information and the protocol for reconstitution of dried DNA reagents. Dried DNA Notice</p>
Recommended Storage:	Keep the reagent at room temperature in a dry storage cabinet or in a moisture barrier bag.
Contributor:	Dr. Ron Swanstrom, University of North Carolina at Chapel Hill, Lineberger Cancer Center.

ALL RECIPIENTS OF THIS MATERIAL MUST COMPLY WITH ALL APPLICABLE BIOLOGICAL, CHEMICAL, AND/OR RADIOCHEMICAL SAFETY STANDARDS INCLUDING SPECIAL PRACTICES, EQUIPMENT, FACILITIES, AND REGULATIONS. NOT FOR USE IN HUMANS.

References:

Anderson S, Shugars DC, Swanstrom R, Garcia JV. Nef from primary isolates of human immunodeficiency virus type 1 suppresses surface CD4 expression in human and mouse T cells. *Journal of Virology*. 1993;67(8):4923-4931. [Abstract](#)

Miller, A. D., & Rosman, G. J. (1989). Improved Retroviral Vectors for Gene Transfer and Expression. *BioTechniques*, 7(9), 980–990. [Abstract](#)

NOTE:

Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: pIconsnefSN from Dr. Ron Swanstrom." Also include the reference cited above in any publications.

Last Updated:

July 18, 2017

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