



NIH AIDS Reagent Program

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DATA SHEET

Reagent:	HIV-1 Nef Expression Vector (pLconsnefSN)
Catalog Number:	3297
Lot Number:	099021
Release Category:	C
Provided:	1 vial transformed STBL-2 cells.
Cloning Site:	EcoRI.
Cloning Vector:	MuLV vector LXS.N.
Description:	<p>Confers ampicillin resistance in bacteria and G418 resistance in animal cells. The artificially generated, full-length consensus nef gene was derived from analysis of 54 HIV-1 patient isolates using overlapping PCR amplification, and cloned into the EcoRI site of the MuLV vector LXS.N.</p> <p>Plasmid Map</p> <p>Sequence</p>
Special Characteristics:	<p>Confers ampicillin resistance in bacteria and G418 resistance in animal cells. For expression of Nef in mammalian cells following packaging using a MuLV packaging cell line. The artificially generated, full-length consensus nef gene (639 bp) was derived from analysis of 54 patient isolates of HIV-1 using overlapping PCR amplification. The nef gene is transducible by retrovirus mediated gene transfer.</p>
Recommended Storage:	-80°C
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. *J Virol* **67**:4923-4931, 1993.
Miller AD, Rosman GJ. *BioTechniques* **7**:980-990, 1989.

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

Last Updated: July 18, 2017

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