



NIH AIDS Reagent Program

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DATA SHEET

Reagent:	HIV-1 NL4-3 Env Expression Vector (pDOLHIVenv)
Catalog Number:	324
Lot Number:	150118
Release Category:	A
Provided:	5 µg of dried purified DNA stabilized in DNastable <i>PLUS</i>
Cloning Site:	<i>SaI</i> .
Cloning Vector:	The MuLV-based retrovirus vector pDOL (Korman AJ, et al. <i>Proc Natl Acad Sci USA</i> 84:2150, 1987). Neomycin resistant. The antibiotic β-kanamycin can be substituted for neomycin. Use at a final concentration of 12.5 µg/ml β-kanamycin for liquid culture; use at 25 µg/ml for plates. Keep plates wrapped in foil until use as the antibiotic is light-sensitive. Digestion with <i>SaI</i> or <i>BamHI</i> may produce extra bands caused by a site prone to nicking during digestion.
Description:	This construct efficiently expresses pNL4-3 envelope glycoprotein.
Special Characteristics:	The <i>SaI</i> - <i>XhoI</i> region of pNL4-3 (Catalog #114) was introduced into the <i>SaI</i> site of pDOL. pDOLHIVenv contains the open reading frames for the pNL4-3 env, tat, and rev coding regions. Expression is from the Moloney murine virus LTR. Plasmid Map This reagent is currently being provided as dried purified DNA stabilized in DNastable <i>PLUS</i> . Please see the notice for additional information and the protocol for reconstitution of dried DNA reagents. Dried DNA Notice
Recommended Storage:	Keep the reagent at room temperature in a dry storage cabinet or in a moisture barrier bag.

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.

Contributor: Dr. Eric O. Freed and Dr. Rex Risser.

References: Freed EO, Myers DJ, Risser R. Mutational analysis of the cleavage sequence of the human immunodeficiency virus type 1 envelope glycoprotein precursor gp160. *J Virol* 63:4670-4675, 1989.

NOTE: Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: HIV-1 NL4-3 Env Expression Vector (pDOLHIVenv) from Dr. Eric Freed and Dr. Rex Risser (cat# 324)." Also include the reference cited above in any publications.

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