



NIH AIDS Reagent Program

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DATA SHEET

Reagent: HIV-1 LAI 5' Partial Molecular Clone (pBENN 7)

Catalog Number: 342

Lot Number: 180253

Release Category: C

Provided: 5 µg of dried purified DNA stabilized in DNastable *PLUS*

Cloning Vector: pBR322
Ampicillin resistant

Cloning Site: EcoRI cloning site
The size of the insert is approximately 5134 bp.

Host Strain: Plasmids can be propagated in STBL2 cells and grown at 37°C. Larger plasmids may benefit from growth at 30°C. This construct may also be grown in other competent cells.

Description: A partial LAI 5' molecular clone which encodes for the 5' LTR and *gag*.

Special Characteristics: This construct is approximately 9495 bp including the insert.
The source of this molecular clone is pBENN 2, a pBR322 clone that contains the LAI proviral sequence. The ~5.1 kb EcoRI fragment of pBENN 2 that extends from -450 to 4684 was subcloned into pBR322 to produce this clone.
[Contributor provided plasmid map](#)
This reagent is currently being provided as dried purified DNA stabilized in DNastable *PLUS*. Please see the notice for additional information and the protocol for reconstitution of dried DNA reagents. [Dried DNA Notice](#)

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.

Recommended Storage: Keep the reagent at room temperature in a dry storage cabinet or in a moisture barrier bag.

Contributor: Dr. Malcolm Martin

References: Gendelman, H. E., Phelps, W., Feigenbaum, L., Ostrove, J. M., Adachi, A., Howley, P. M., Khoury, G., Ginsberg, H. S. and Martin, M. A. (1986). Trans-activation of the human immunodeficiency virus long terminal repeat sequence by DNA viruses. Proc Natl Acad Sci U S A, 83(24), 9759-63. [PUBMED](#)

NOTE: Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: HIV-1 LAI 5' Partial Molecular Clone (pBENN 7) from Dr. Malcolm Martin (cat# 342)." Also include the reference cited above in any publications.

Scientists at for-profit institutions or who intend commercial use of this reagent must contact the NIH Office of Technology Transfer, Email: NIAIDAIDSReagent@niaid.nih.gov, before the reagent can be released. Please specify the name and a description of the intended use of the reagent.

Last Updated: November 13, 2019

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