



NIH AIDS Reagent Program

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DATA SHEET

Reagent: HIV-1 HXB2 5' Partial Molecular Clone (p5')

Catalog Number: 3119

Lot Number: 096056

Release Category: A

Provided: 20 µg of dried purified DNA stabilized in DNASTable *Plus*

Cloning Vector: pGEM-3Z

Cloning Site: HpaI/NcoI cloning site
The size of the insert is 5981 bp.

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

Description: A linker containing *HpaI* and *NcoI* sites was inserted into the *EcoRI* and *BamHI* sites of the pGEM-3Z polylinker. The 5' half of HIV-1 from pHXB2gpt was cloned into the vector as a 5978 bp *HpaI-NcoI* fragment.

Special Characteristics: This construct is 8459 bp including the insert.
Infectious recombinant HIV-1 virus can be recovered by linearizing p5' and p3' (Catalog #3120) with *NcoI*, ligating the mixed DNAs with T4 DNA ligase, and transfecting MT-2 cells.
[Sequence file lot 096056](#)
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: Drs. Dean L. Winslow and Lee Bacheler

References: Winslow DL, Anton ED, Horlick RA, Zagursky RJ, Tritch RJ, Scamati H, Ackerman K, Bacheler LT. Construction of infectious molecular clones of HIV-1 containing defined mutations in the protease gene. *Biochem Biophys Res Commun* **205**:1651-1657, 1994.

NOTE: Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: HIV-1 HXB2 5' Partial Molecular Clone (p5') from Drs. Dean Winslow and Lee Bacheler (cat# 3119)." Also include the reference cited above in any publications.

Last Updated: September 19, 2018

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