



## NIH AIDS Reagent Program

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### DATA SHEET

**Reagent:** HIV-1 92UG037 Non-infectious Molecular Clone

**Catalog Number:** 3605

**Lot Number:** 160165

**Release Category:** D

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

**Cloning Vector:** pCRII  
Ampicillin resistant

**Cloning Site:** TOPO T/A cloned  
The size of the insert is approximately 8999 bp.

**GenBank:** [U51190](#)

**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 full length non-infectious HIV-1 subtype A1 92UG037 molecular clone. The virus produced by this molecular clone utilizes CCR5 as a co-receptor.

**Special Characteristics:** This construct is 13009 bp including the insert.  
The source of this molecular clone is HIV-1 92UG037.1. This molecular clone was amplified from PBMCs isolated from an asymptomatic, 31-year-old female from Uganda. The amplification strategy generated near-full length genomes that contain all coding and regulatory regions except for 70 to 80 bp of the 5' unique LTR sequences.  
This subtype A1 molecular clone contains a defective *pol* gene due to an in-frame stop codon.  
[Plasmid map and sequence file lot 160165](#)

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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.

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](#)

Alternate names include: p92UG037.1 (Near-full length)

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

**Contributor:** Drs. Beatrice Hahn and Feng Gao, and the UNAIDS Network for HIV Isolation and Characterization.

**References:** Gao, F., Robertson, D. L., Carruthers, C. D., Morrison, S. G., Jian, B., Chen, Y., . . . Hahn, B. H. (1998). A comprehensive panel of near-full-length clones and reference sequences for non-subtype B isolates of human immunodeficiency virus type 1. *J Virol*, 72(7), 5680-5698. [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 92UG037 Non-infectious Molecular Clone from Drs. Beatrice Hahn and Feng Gao, and the UNAIDS Network for HIV Isolation and Characterization." Also include the reference cited above in any publications.

**Last Updated:** March 26, 2020

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