



## NIH AIDS Reagent Program

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### DATA SHEET

**Reagent:** HIV-1 Z331F Infectious Molecular Clone (SGA 16)

**Catalog Number:** 13253

**Lot Number:** 170301

**Release Category:** C

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

**Cloning Vector:** pBluescript  
Ampicillin resistant

**Cloning Site:** Ligation independent cloning  
The size of the insert is 8,985 bp.

**GenBank:** [KR820299](#)

**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 full length replication competent, infectious HIV-1 subtype C Z331F molecular clone.

**Special Characteristics:** This construct is 12,804 bp including the insert.  
The source of this molecular clone is derived from a chronically infected Zambian donor partner. This non-transmitted clone variant can be used for in vitro replication studies.  
Transfection of 293T cells produces infectious virus.  
[Contributor provided sequence file](#)  
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](#)

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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.

or aried DNA reagents. [Dried DNA NOTICE](#)

**Recommended Storage:**

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

**Contributor:**

Dr. Eric Hunter

**References:**

M. J. Deymier, D. T. Claiborne, Z. Ende, H. K. Ratner, W. Kilembe, S. Allen and E. Hunter. (2014). Particle infectivity of HIV-1 full-length genome infectious molecular clones in a subtype C heterosexual transmission pair following high fidelity amplification and unbiased cloning. *Virology*, 468-470, 454-61. doi:10.1016/j.virol.2014.08.018 [PUBMED](#)

M. J. Deymier, Z. Ende, A. E. Fenton-May, D. A. Dilernia, W. Kilembe, S. A. Allen, P. Borrow and E. Hunter. (2015). Heterosexual Transmission of Subtype C HIV-1 Selects Consensus-Like Variants without Increased Replicative Capacity or Interferon-alpha Resistance. *PLoS Pathog*, 11(9), e1005154. doi:10.1371/journal.ppat.1005154 [PUBMED](#)

**NOTE:**

Acknowledgement for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: HIV-1 Z331F Infectious Molecular Clone (SGA 16) from Dr. Eric Hunter." Also include the references cited above in any publications.

**Scientists at for-profit institutions or who intend commercial use of this reagent must contact the Emory University Office of Technology Transfer, Email: [ott-mta@emory.edu](mailto:ott-mta@emory.edu), before the reagent can be released. Please specify the name and a description of the intended use of the reagent.**

**Last Updated:**

January 09, 2018

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