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DATA SHEET

Reagent: HIV-1 97ZA012.1 Infectious Molecular Clone

Catalog Number: 6170

Lot Number: 180182

Release Category: C

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

Cloning Vector: pCR-XL-TOPO
Kanamycin resistant

Cloning Site: TOPO TA cloned
The size of the insert is approximately 8958 bp.

GenBank: [AF286227](#)

Host Strain: This plasmid contains the *ccdB* gene and cannot be propagated in most standard *E. coli* strains. Plasmids can be propagated in OneShot® *ccdB* Survival 2 T1^R Chemically Competent Cells and grown at 37°C. Larger plasmids may benefit from growth at 30°C. This construct may also be grown in other *ccdB*-resistant competent cells.

Description: A full length replication competent, infectious HIV-1 subtype C 97ZA012.1 molecular clone. The virus produced by this molecular clone utilizes the co-receptor CCR5.

Special Characteristics: This construct is 12,543 bp including the insert.
The source of this molecular clone is a subtype C isolate from South Africa. Genomic DNA was extracted and amplified from PBMC cultures. This clone encodes intact open reading frames for all nine HIV-1 genes.
[Sequence file lot 180182](#)
Alternate names include: p97ZA012.1

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](#)

Recommended Storage:

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

Contributor:

Drs. Cynthia M. Rodenburg, Beatrice H. Hahn, Feng Gao, and the UNAIDS Network for HIV Isolation and Characterization

References:

Rodenburg, C. M., Li, Y., Trask, S. A., Chen, Y., Decker, J., Robertson, D. L., Kalish, M. L., Shaw, G. M., Allen, S., Hahn, B. H. and Gao, F. (2001). Near full-length clones and reference sequences for subtype C isolates of HIV type 1 from three different continents. AIDS Res Hum Retroviruses, 17(2), 161-8. doi:10.1089/08892220150217247 [PUBMED](#)

NOTE:

Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, NIAID, NIH: HIV-1 97ZA012.1 Infectious Molecular Clone from Drs. Cynthia M. Rodenburg, Beatrice H. Hahn, Feng Gao, and the UNAIDS Network for HIV Isolation and Characterization (cat# 6170)." 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 UAB Research Foundation at the following email address: dhall@uab.edu, before the reagent can be released.

Required Form:

UNAIDS_MTA.pdf

Last Updated:

March 27, 2020

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