



NIH AIDS Reagent Program

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DATA SHEET

Reagent: HIV-1 CH293a Infectious Molecular Clone

Catalog Number: 13539

Lot Number: 190378

Release Category: C

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

Cloning Vector: pUC57
Ampicillin resistant

Cloning Site: EcoRI/HindIII cloning site
The size of the insert is approximately 10,000 bp.

GenBank: [KC156216](#)

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 replication competent, infectious HIV-1 subtype C CH293a molecular clone. The virus produced by this clone utilizes the co-receptor CCR5.

Special Characteristics: This construct is approximately 14,000 bp including the insert.
Viral RNA was extracted from plasma samples from an HIV-1 infected female from Malawi. Consensus sequences were generated with clonally expanded viral sequences in the chronic infection samples. The sequences were cloned and combined within a single plasmid vector (pBR322 or pUC57) as a complete proviral genome.
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.

or 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:

Dr. Feng Gao

References:

Parrish, N. F., Gao, F., Li, H., Giorgi, E. E., Barbian, H. J., Parrish, E. H., Zajic, L., Iyer, S. S., Decker, J. M., Kumar, A., Hora, B., Berg, A., Cai, F., Hopper, J., Denny, T. N., Ding, H., Ochsenbauer, C., Kappes, J. C., Galimidi, R. P., West, A. P., Jr., Bjorkman, P. J., Wilen, C. B., Doms, R. W., O'Brien, M., Bhardwaj, N., Borrow, P., Haynes, B. F., Muldoon, M., Theiler, J. P., Korber, B., Shaw, G. M. and Hahn, B. H. (2013). Phenotypic properties of transmitted founder HIV-1. Proc Natl Acad Sci U S A, 110(17), 6626-33. doi:10.1073/pnas.1304288110 [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 CH293a Infectious Molecular Clone from Dr. Feng Gao (cat# 13539)." 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 Duke University-Office of Research Contracts at the following email addresses: david.kordys@duke.edu or bilyana.georgieva@duke.edu, before the reagent can be released.

Last Updated:

December 22, 2020

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