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DATA SHEET

Reagent: Q842_{ENVd12}

Catalog Number: 10457

Lot Number: 041251

Release Category: C

Provided: 4.5 µg of dried purified DNA stabilized in DNASTable *PLUS*

Cloning Vector: pCI-neo
Ampicillin and neomycin/kanamycin resistant

Cloning Site: MluI/NotI cloning site
The size of the insert is 2998 bp.

GenBank: [AF407160](https://www.ncbi.nlm.nih.gov/nuclot/AF407160)

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

Description: The envelope region of HIV-1 was amplified by PCR from PBMC DNA. The PCR product was digested with MluI/NotI, gel isolated and cloned into MluI/NotI digested pCI-neo. The coding region present is HIV-1 envelope gp160. Antibiotic resistance markers are ampicillin and neomycin.

Special Characteristics: This construct is 8441 bp including the insert.
This envelope clone was directly derived from an individual four weeks after seroconversion. It is a R5 subtype A virus from Kenya. This clone is useful for screening vaccine sera for neutralizing antibodies that can block transmitted subtype A viruses. It can also be used for the study of the biological properties of transmitted/early virus variants.
[Contributor Provided Plasmid Map](#)

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.

[Plasmid map and sequence file lot 041251](#)

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: Dr. Julie Overbaugh

References: Long E.M., Overbaugh J, Mandaliya K, et al. HIV Type 1 Variants Transmitted to Women in Kenya Require the CCR5 Coreceptor for Entry, Regardless of the Genetic Complexity of the Infecting Virus. *AIDS Research and Human Retroviruses* **18**(8):567-576, 2002.

NOTE: Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: Q842ENVd12 from Dr. Julie Overbaugh." Also include the reference cited above in any publications.

Scientists at for-profit institutes or who intend commercial use of this reagent must contact Jennifer Haberman at Technology Transfer Office, Fred Hutchinson Cancer Research Center at email address haberman@fhcrc.org and specify in the email the name of the reagent and a description of the intended use of the reagent.

Last Updated: June 23, 2017

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