



NIH AIDS Reagent Program

20301 Century Boulevard
Building 6, Suite 200
Germantown, MD 20874
USA

Phone: 240 686 4740
Fax: 301 515 4015
aidsreagent.org

DATA SHEET

Reagent: HIV-1 gp160 Expression Vector (Q259_{ENVd2.17})

Catalog Number: 10459

Lot Number: 041570

Release Category: C

Provided: 5 µl containing approximately 4 µg purified plasmid DNA

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

Cloning Site: MluI/NotI cloning site
The size of the insert is 3042 bp.

GenBank: [AF407152](#)

Host Strain: Plasmids can be propagated in STBL2 cells and grown at 37°C. Larger plasmids may benefit from growth at 30&176;C. This construct 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: The size of this construct is 8485 bp including the insert.
This envelope clone was directly derived from PBMCs of an individual one week 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.

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.

[Contributor Provided Plasmid Map](#)

[Plasmid map and sequence file lot 041570](#)

Recommended Storage: -20°C

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: HIV-1 gp160 Expression Vector (Q259_{ENVd2.17}) 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 21, 2018

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