



## NIH AIDS Reagent Program

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### DATA SHEET

**Reagent:** Q461<sub>ENVd1</sub>

**Catalog Number:** 11544

**Lot Number:** 098274

**Release Category:** C

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

**Cloning Vector:** pCI-neo  
Ampicillin and neomycin resistant

**Cloning Site:** MluI/NotI, 5'-3'.  
The size of the insert is approximately 3000 bp.

**GenBank:** AF407155

**Host Strain:** STBL3

**Description:** This envelope variant is a subtype A envelope sequence tht was isolated from a woman who acquired HIV-1 sexually. The envelope was cloned directly from her PBMC DNA at an estimated 17 days post-infection as described in Long et al (2002).  
The envelope region of HIV-1 was amplified by PCR from PBMC DNA. The PCR product was digested with MluI/NotI, gel purified, and cloned into MluI/NotI digested pCI-neo  
[Table of additional clones available in the repository](#)

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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.

**Special Characteristics:** The size of this construct is approximately 8500 bp including the insert.  
This variant is useful for screening vaccine sera for neutralizing antibodies that can block recently transmitted, subtype A variants as described in Blish et al (2007). It may also be useful for screening candidate microbicides.  
[Sequence file lot 098274](#)  
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 et al, ARHR 18: 567-576 (2002)  
Blish et al, AIDS, 21(6): 693-702 (2007)

**NOTE:** Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: Q461Envd1 from Dr. Julie Overbaugh (cat# 11544)", also include references cited above.  
**Scientists at for-profit institutions or who intend commercial use of this reagent must contact Gerianne Sands, Associate General Counsel, Fred Hutchinson Cancer Research Center, 110 Fairview Avenue North, Seattle WA, 98109, Tel: (206)667-1224, Fax: (206)667-6590, Email: gjsands@fhcrc.org, and specify the name of the reagent and a description of the intended use, before the reagent can be released.**

**Last Updated:** November 12, 2018

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