



## 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 Env Expression Vector (QH343.21M.ENV.A10)

**Catalog Number:** 11896

**Lot Number:** 100026

**Release Category:** C

**Provided:** 10 µL purified plasmid DNA, at 500 ng/µL.

**Cloning Vector:** pCI-neo (ampicillin and neomycin resistance); The size of the cloning vector including insert is approximately 8.5kb. The size of the insert alone is approximately 3kb.

**Cloning Site:** MluI-NotI, 5'-3'

**GenBank:** FJ866117

**Host Strain:** STBL3

**Description:** The envelope region (subtype A) 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. This variant is available individually, or as part of the HIV-1 Env Panel (Cat #11947).

[Table 1. Panel of HIV-1 Envelope Clones](#)

[Plasmid Map](#)

**Special Characteristics:** This envelope variant is a subtype A envelope sequence that was isolated from a woman who acquired HIV-1 sexually. The envelope was cloned directly from her PBMC DNA at an estimated 21 days post-infection as described in Blish JV, 83: 7783-7788, 2009 and Long et al. ARHR 18: 567-576, 2002.

---

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 variant is useful for screening neutralizing antibody responses, entry inhibitors, and/or candidate microbicides.

**Recommended Storage:** -70°C

**Contributor:** Dr. Julie Overbaugh

**References:** Long et al. ARHR 18: 567-576, 2002  
Blish et al Journal of Virology, 2009 Aug; 83(15): 7783-7788.

**NOTE:** Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: (specify clone) from Dr. Julie Overbaugh", 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:** July 17, 2018

---

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.