



NIH AIDS Reagent Program

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DATA SHEET

Reagent: HIV-1 Env Expression Vector (QH343.21M.ENV.A10)

Catalog Number: 11896

Lot Number: 110252

Release Category: C

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

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: [FJ866119](#)

Host Strain: STBL3

Description: HIV-1 subtype A envelope clone isolated from a female with sexually acquired HIV.

Special Characteristics: This variant is useful for screening neutralizing antibody responses, entry inhibitors, and/or candidate microbicides. The envelope region (subtype A) of HIV-1 was amplified by PCR from PBMC DNA at an estimated 21 days post-infection. 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 catalog #11947 [Panel of HIV-1 Envelope Clones](#)

[Plasmid Map](#)

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.

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 EM, Rainwater SM, Lavreys L, Mandaliya K, Overbaugh J (2002) 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 Res Hum Retroviruses 18:567-576. [Abstract](#)

Blish CA, Jalalian-Lechak Z, Rainwater S, Nguyen M-A, Dogan OC, Overbaugh J 2009. Cross-subtype neutralization sensitivity despite monoclonal antibody resistance among early subtype A, C, and D envelope variants of human immunodeficiency virus type 1. J Virol 83:7783-7788. doi:.10.1128/JVI.00673-09 [Abstract](#)

NOTE: Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: HIV-1 Env Expression Vector (QH343.21M.ENV.A10) from Dr. Julie Overbaugh (cat# 11896)", 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

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