



DATA SHEET

For research use only. Not for use in humans.

Reagent:	Human Immunodeficiency Virus Type 1 (HIV-1) Env Expression Vector (QH343.21M.ENV.A10)
Catalog Number:	ARP-11896
Lot Number:	190220
Release Category:	C
Provided:	Each vial of ARP-11896 contains approximately 5 micrograms of dried, purified DNA stabilized in DNASTable®Plus. Please see the notice for additional information and the protocol for reconstitution of dried DNA reagents on the NIH HIV Reagent Program webpage.
Description:	<p>ARP-11896 is a HIV-1 subtype A envelope clone isolated from a female with sexually acquired HIV. 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 peripheral blood mononuclear cell (PBMC) DNA at an estimated 21 days post-infection (GenBank: FJ866119). The PCR product was digested with <i>MluI/NotI</i>, gel isolated and cloned into <i>MluI/NotI</i> digested pCI-neo. This construct is approximately 8500 base pairs including the insert (approximately 3000 base pairs) and contains the genes for ampicillin and neomycin resistance.</p> <p>ARP-11896 is also available as part of a Panel of HIV-1 Envelope Clones (ARP-11947).</p> <p><u>Note:</u> Plasmids can be propagated in STBL2 cells and grown at 37°C. Larger plasmids may benefit from growth at 30°C.</p>
Recommended Storage:	Keep the reagent at room temperature in a dry storage cabinet or in a moisture barrier bag.
Contributor:	Dr. Julie Overbaugh
References:	<p>Long, E. M., 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." <i>AIDS Res. Hum. Retroviruses</i> 18 (2002): 567-576. PubMed: 12036486.</p> <p>Blish, C. A., et al. "Cross-Subtype Neutralization Sensitivity Despite Monoclonal Antibody Resistance Among Early Subtype A, C, and D Envelope Variants of Human Immunodeficiency Virus Type 1." <i>J. Virol.</i> 83 (2009): 7783-7788. PubMed: 19474105.</p>
Citation:	Acknowledgment for publications should read "The following reagent was obtained through the NIH HIV Reagent Program, Division of AIDS, NIAID, NIH: Human Immunodeficiency Virus Type 1 (HIV-1) Env Expression Vector (QH343.21M.ENV.A10), ARP-11896, contributed by Dr. Julie Overbaugh."
Biosafety Level: 1	Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. <i>Biosafety in Microbiological and Biomedical Laboratories</i> , 6th ed. Washington, DC: U.S. Government Printing Office, 2020; see www.cdc.gov/biosafety/publications/bmbl5/index.htm .
Disclaimers:	<p>You are authorized to use this product for research use only. It is not intended for human use.</p> <p>Use of this product is subject to the terms and conditions of the NIH HIV Reagent Program Material Transfer Agreement (MTA). The MTA is available on our Web site at www.hivreagentprogram.org.</p>



While the NIH HIV Reagent Program uses reasonable efforts to include accurate and up-to-date information on this product sheet, neither ATCC® nor the U.S. Government makes any warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. Neither ATCC® nor the U.S. Government warrants that such information has been confirmed to be accurate.

This product is sent with the condition that you are responsible for its safe storage, handling, use and disposal. ATCC® and the U.S. Government are not liable for any damages or injuries arising from receipt and/or use of this product. While reasonable effort is made to ensure authenticity and reliability of materials on deposit, the U.S. Government, ATCC®, their suppliers and contributors to the NIH HIV Reagent Program are not liable for damages arising from the misidentification or misrepresentation of products.

Use Restrictions:

This material is distributed for internal research purposes only. This material, its product or its derivatives may not be distributed to third parties. Except as performed under a U.S. Government contract, individuals contemplating commercial use of the material, its products or its derivatives must contact the contributor to determine if a license is required. U.S. Government contractors may need a license before first commercial sale.

Note:

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, Washington, 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.

ATCC® is a trademark of the American Type Culture Collection.

