



NIH AIDS Reagent Program

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DATA SHEET

Reagent:	BIV Env Expression Vector (BIV-env8)
Catalog Number:	4134
Lot Number:	190140
Release Category:	B
Provided:	5 µg of dried purified DNA stabilized in DNASTable <i>Plus</i>
Cloning Site:	The size of the insert is approximately 403 bp.
Cloning Vector:	pATH1 Ampicillin resistant
Description:	An expression vector which produces BIV Env protein.
Special Characteristics:	<p>This construct is 4186 bp including the insert.</p> <p>This clone expresses the BIV env major antigenic domain as a fusion protein. The expressed protein is recognized by BIV-infected animal serum. The 0.4 kb TaqI fragment (nt 7076-7478) was cloned into the blunt-ended BamHI site of pATH-1.</p> <p>Sequence file lot 190140</p> <p>Plasmids can be propagated in STBL2 cells and grown at 37°C. Larger plasmids may benefit from growth at 30°C. This construct may also be grown in other competent cells.</p> <p>This reagent is currently being provided as dried purified DNA stabilized in DNASTable <i>PLUS</i>. Please see the notice for additional information and the protocol for reconstitution of dried DNA reagents. Dried DNA Notice</p>
Recommended Storage:	Keep the reagent at room temperature in a dry storage cabinet or in a moisture barrier bag.

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: Dr. Charles Wood

References: Atkinson, B., Liu, Z. Q. and Wood, C. (1992). Use of bacterial trpE fusion vectors to express and characterize the bovine immunodeficiency-like virus core protein. J Virol Methods, 36(1), 35-49. [PUBMED](#)

NOTE: Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: BIV Env Expression Vector (BIV-env8) from Dr. Charles Wood (cat# 4134)." Also include the reference cited above in any publications.

Scientists at for-profit institutions or who intend commercial use of this reagent must contact the University of Nebraska at the following email address: info@nutechventures.org, before the reagent can be released.

Last Updated: March 27, 2020

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