



NIH AIDS Reagent Program

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DATA SHEET

Reagent:	BIV Gag Expression Vector (BIV-gag5)
Catalog Number:	4133
Lot Number:	190143
Release Category:	B
Provided:	5 µg of dried purified DNA stabilized in DNastable <i>Plus</i>
Cloning Vector:	pATH3 Ampicillin resistant
Description:	An expression vector which produces BIV gag protein.
Special Characteristics:	<p>This construct is 4249 bp including the insert.</p> <p>This clone expresses the major BIV gag antigenic determinant as a fusion protein. The expressed protein has been used as an antigen in Western blots to screen for antibodies against BIV in infected animals.</p> <p>The PstI fragment (nt 1130-1642) BIV gag was subcloned into pUC8 to generate pUC gag-3. The EcoRI-HindIV fragment from pUC gag-3 was then ligated into pATH3 to generate BIV-gag5.</p> <p>Sequence file lot 190143</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 Gag Expression Vector (BIV-gag5) from Dr. Charles Wood, University of Nebraska, Lincoln (cat# 4133)." 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, Nutech Ventures at the following email address: info@nutechventures.org, before the reagent can be released.

Last Updated: March 27, 2020

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