



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 BH10 pr55 Expression Vector (pDAB72)
Catalog Number:	842
Lot Number:	2
Release Category:	B
Provided:	1 ml of transformed JM109 bacteria.
Cloning Site:	Cloned between the <i>Bam</i> HI and an introduced <i>Nco</i> I site (5' to the <i>Eco</i> RI site) of the pTZ19R polylinker.
Description:	<p>pDAB72 is an <i>in vitro</i> transcription/translation vector for the synthesis of a full-length <i>gag</i> polyprotein, pr55^{gag}, which can serve as a substrate for HIV-1 protease. A second major translation product (p40) presumably arises through initiation at an internal methionine residue. Expression is driven by the T7 promoter.</p> <p>Plasmid Map</p>
Special Characteristics:	<p>pDAB72 contains unique <i>Nco</i>I, <i>Pst</i>I, <i>Spe</i>I and <i>Bam</i>HI sites, an <i>amp^r</i> marker and an F1-origin for single-strand DNA synthesis. Contains a Kozac sequence (A) at the -3 position relative to an introduced ATG (Met) sequence for efficient translation. Source of Pro Virus: HIV λ clone BH-10.</p>
Recommended Storage:	-70°C.
Contributor:	Dr. Susan Erickson-Viitanen.
References:	<p>Erickson-Viitanen S, Manfredi J, Viitanen P, Tribe DE, Tritch R, Hutchison CA III, Loeb DD, Swanstrom R. Cleavage of HIV-1 <i>gag</i> polyprotein synthesized <i>in vitro</i>: Sequential cleavage by the viral protease. <i>AIDS Res Hum Retroviruses</i> 5:577-591, 1989.</p>

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.

NOTE:

Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: HIV-1 BH10 pr55 Expression Vector (pDAB72) from Dr. Susan Erickson-Viitanen (cat# 842)." Also include the reference cited above in any publications.

Last Updated:

June 11, 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.