



NIH AIDS Reagent Program

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DATA SHEET

Reagent: HIV-1 BH10 pr55 Expression Vector (pDAB72)

Catalog Number: 842

Lot Number: 180165

Release Category: B

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

Cloning Vector: pTZ19R, modified to include a unique NcoI site in the polylinker region
Ampicillin resistant

Cloning Site: BamHI/NcoI cloning site
The size of the insert is approximately 1709 bp.

Host Strain: 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.

Description: An expression vector which produces HIV-1 subtype B BH10 pr55.

Special Characteristics: This construct is approximately 4563 bp including the insert.
This plasmid expresses pr55 derived from HIV-1 λ clone BH10. The insert sequence encodes for full length *gag* and a portion of the *pol* open reading frame. A second major translation product (p40) presumably arises through initiation at an internal methionine residue.
This plasmid contains a Kozac sequence (A) at the -3 position relative to the first ATG sequence for efficient translation. Expression is driven by the T7 promoter.
[Contributor provided plasmid map](#)
[Sequence file lot 180165](#)
This reagent is currently being provided as dried purified DNA stabilized in DNASTable

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.

PLUS. Please see the notice for additional information and the protocol for reconstitution of dried DNA reagents. [Dried DNA Notice](#)

Recommended Storage: Keep the reagent at room temperature in a dry storage cabinet or in a moisture barrier bag.

Contributor: Dr. Susan Erickson-Viitanen

References: S. Erickson-Viitanen, J. Manfredi, P. Viitanen, D. E. Tribe, R. Tritch, C. A. Hutchison, 3rd, D. D. Loeb and R. Swanstrom. (1989). Cleavage of HIV-1 gag polyprotein synthesized in vitro: sequential cleavage by the viral protease. *AIDS Res Hum Retroviruses*, 5(6), 577-91. doi:10.1089/aid.1989.5.577 [PUBMED](#)

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.

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