



NIH AIDS Reagent Program

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DATA SHEET

Reagent: HIV-1 HXB2 Env Expression Vector (pHXB2-env)

Catalog Number: 1069

Lot Number: 130191

Release Category: A

Provided: 5 µg of purified DNA stabilized in DNastable *PLUS* and dried

Cloning Site: 5' *Sma*I - 3' *Sal*I

Cloning Vector: pSV7d, Ampicillin resistant

Description: HIV-1 gp160 is expressed from an SV40 promoter. No other HIV gene products are expressed.

Special Characteristics: Contains a 2897 bp 5' *Sac*I - 3' *Xho*I HXB2 env fragment from reagent #1067 HIV-gpt (env coding sequences are nt 6224 - 8794). The 5' *Sac*I insert site was filled in and fused to the pSV7d *Sma*I site. The 3' *Xho*I insert site was ligated to the *Sal*I site of pSV7d.

SV40 origin provides high levels of gp160 expression in COS cells. Expression is rev-dependent and transient. This expression vector has been used with HIV-gpt (catalog #1067) to cotransfect COS cells, producing infectious HIV virions.

Source of Provirus: HIV-1 plasmid pHXB2gpt (Dr. A. Fisher and Dr. F. Wong-Staal).

[Plasmid map and sequence file lot 130191](#)

[Contributor provided sequence information](#)

This reagent is currently being provided as purified DNA stabilized in DNastable *PLUS* and dried. Please see the notice for additional information and the protocol for reconstitution of dried DNA reagents. [Dried DNA Notice](#)

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.

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

Contributor: Dr. Kathleen Page and Dr. Dan Littman.

References: Page KA, Landau NR, Littman DR. Construction and use of a human immunodeficiency virus vector for analysis of virus infectivity. *J Virol* 64:5270-5276, 1990.

NOTE: Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: HIV-1 HXB2 Env Expression Vector (pHXB2-env) from Dr. Kathleen Page and Dr. Dan Littman." Also include the reference cited above in any publications.

Last Updated: December 18, 2017

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