



DATA SHEET

For research use only. Not for use in humans.

Reagent:	Vector pSV7d Expressing Human Immunodeficiency Virus Type 1 (HIV-1) HXB2 Env (pHXB2-env)
Catalog Number:	ARP-1069
Lot Number:	170196
Release Category:	A
Provided:	Each vial contains approximately 5 micrograms of dried, purified plasmid DNA stabilized in DNAstable®Plus. Please see the notice for additional information and the protocol for reconstitution of dried DNA reagents on the NIH HIV Reagent Program webpage.
Description:	<p>HIV-1 gp160 is expressed from an SV40 promoter. No other HIV gene products are expressed. This construct is ampicillin resistant.</p> <p>ARP-1069 contains a 2897 base pair 5' <i>SacI</i> - 3' <i>XhoI</i> HXB2 <i>env</i> fragment from reagent ARP-1067 human immunodeficiency virus (HIV)-gpt (<i>env</i> coding sequences are nucleotides 6224 to 8794). The 5' <i>SacI</i> insert site was filled in and fused to the pSV7d <i>SmaI</i> site. The 3' <i>XhoI</i> insert site was ligated to the <i>SalI</i> site of pSV7d. The complete sequence and map are provided on the NIH HIV Reagent Program webpage.</p> <p>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 (ARP-1067) to cotransfect COS cells, producing infectious HIV virions. The source of provirus is HIV-1 plasmid pHXB2gpt (Dr. A. Fisher and Dr. F. Wong-Staal).</p>
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, K. A., N. R. Landau and D. R. Littman. "Construction and Use of a Human Immunodeficiency Virus Vector for Analysis of Virus Infectivity." <i>J. Virol.</i> 64 (1990): 5270-5276. PubMed: 2214018 .
Citation:	Acknowledgment for publications should read "The following reagent was obtained through the NIH HIV Reagent Program, Division of AIDS, NIAID, NIH: Vector pSV7d Expressing Human Immunodeficiency Virus Type 1 (HIV-1) HXB2 Env (pHXB2-env), ARP-1069, contributed by Dr. Kathleen Page and Dr. Dan Littman."
Biosafety Level: 1	Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. <i>Biosafety in Microbiological and Biomedical Laboratories</i> . 6th ed. Washington, DC: U.S. Government Printing Office, 2020; see www.cdc.gov/biosafety/publications/bmb15/index.htm .
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