



NIH AIDS Reagent Program

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DATA SHEET

Reagent:	pNL-r-HSAS
Catalog Number:	4101
Lot Number:	040927
Release Category:	E
Provided:	2.45 µg of dried purified DNA stabilized in DNASTable <i>PLUS</i>
Cloning Vector:	pNL4-3
Description:	pNL-r-HSAS is a HIV-1-based reporter virus that is both replication-competent and pathogenic in vivo. Virus produced from pNL-r-HSAS infects cells expressing both CD4 and CXCR4. Infected cells express surface HSA which is detectable by flow cytometry.
Special Characteristics:	<p>A 267 bp fragment from the ORF of HSA was inserted into an introduced XbaI site (nt 5625) and an existing EcoRI site (nt 5743) of pNL4-3. This site is within the NL4-3 vpr gene, which was partially deleted during the digests. In addition, the start of vpr and two potential start sites in the 3' end of vif are silenced by site-specific mutagenesis. The insert was cloned in the 5'-3' orientation. The murine HSA insert was derived from the plasmid pSL87c4-1. The insert contains the HSA ORF and 36 extraneous bases from the original plasmid. HSA expression is driven by the HIV-1 LTR.</p> <p>Plasmid map and sequence file lot 040927</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.
Contributor:	Drs. Beth Jamieson and Jerome Zack.

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.

References: Jamieson BD, Zack JA. In vivo pathogenesis of a human immunodeficiency virus type 1 reporter virus. *J Virol* **72**:6520-6526, 1998.

Adachi A, Gendelman HE, Koenig S, Folks T, Willey R, Rabson A, Martin MA. Production of acquired immunodeficiency syndrome-associated retrovirus in human and nonhuman cells transfected with an infectious molecular clone. *J Virol* **59**:284-291, 1986.

Kay R, Takei F, Humphries RK. Expression cloning of a cDNA encoding MI/J11D heat-stable antigens. *J Immunol* **145**:1952-1959, 1990.

NOTE: Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: pNL-r-HSAS from Drs. Beth Jamieson and Jerome Zack." Also include the references cited above in any publications.

Last Updated February 02, 2017

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