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 LTR CAT Reporter Vector (pCD7)
Catalog Number:	1526
Lot Number:	96105
Release Category:	C
Provided:	1 vial of ampicillin-resistant transformed DH5-a. Also grows in HB101.
Cloning Vector:	pC15CAT (Catalog 1527), a derivative of pSV0CAT.
Cloning Site:	HindIII.
Description:	The 5' end of the LTR to position -278 from the transcriptional start site is deleted. Clone pC15CAT was cleaved with *Kpn*I, treated with *Bal*31 exonuclease, blunted and the *Xba*I linkers ligated. The resultant deletion mutant, pCD7, contains HIV-1_{IIIB} LTR sequences from -278 to +80 located in front of the CAT gene.
Special Characteristics:	The 5' end of the LTR to position -278 from the transcriptional start site is deleted.
Recommended Storage:	-70°C
Contributor:	Dr. Steven F. Josephs.
References:	Gorman CM, Moffat LF, Howard BH. Recombinant genomes which express chloramphenicol acetyltransferase in mammalian cells. *Mol Cell Biol* **2**:1044-1051, 1982. Arya SK, Guo C, Josephs SF, Wong-Staal F. Trans-activator gene of human T-lymphotropic virus type III (HTLV-III). *Science* **229**:69-73, 1985. Seikevitz M, Josephs, SF, Dukovich M, Peffer N, Wong-Staal F, Greene WC. Activation of the HIV-1 LTR by T cell mitogens and the trans-activator protein of HTLV-I. *Science*

238:1575-1578, 1987.

Chang KS, Liu WT, Josephs SF. Regulation of cellular trans-activating activities in two different promonocytic leukemia cell lines. *Cancer Lett* **60**:75-83, 1991.

Seigel LJ, Ratner L, Josephs SF, Derse D, Feinberg M, Reyes G, O'Brien SJ, Wong-Staal F. Transactivation induced by human T-lymphotropic virus type III (HTLV III) maps to a viral sequence encoding 58 amino acids and lacks tissue specificity. *Virology* **148**:226-231.

NOTE:

Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program,Division of AIDS, NIAID, NIH: HIV-1 LTR CAT Reporter Vector (pCD7) from Dr. Steven Josephs (cat# 1526)." Also include the reference cited above in any publications.

Scientists at for-profit institutions or who intend commercial use of Release Category C Reagents (Cat#1526) must contact Dr. Brian W. Bailey, NIAID Office of Technology Development, 6610 Rockledge Drive, Room 4036, MSC 6606, Bethesda, MD 20892-6606, Email: bbailey@mail.nih.gov, Tel: 301-594-1697, Fax: 301-402-7123, before the reagent can be released.

Last Updated

September 05, 2018