



NIH AIDS Reagent Program

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DATA SHEET

Reagent: HIV-1 LTR CAT Reporter Vector (pCD52)

Catalog Number: 1528

Lot Number: 96109

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 *nef* region and NF- κ B binding site are deleted at -65, but the two Sp-1 nuclear factor binding sites remain.

Clone pC15CAT was cleaved with *KpnI*, then treated with *Bal31* exonuclease, blunted and the *XbaI* linkers ligated. The resultant deletion mutant, pCD52 contains HIV-1_{III}B LTR sequences from -65 to +80 located in front of the CAT gene.

Special Characteristics: The *nef* region is deleted from the HIV LTR. The NF κ B binding site is also deleted, but the clone retains two Sp-1 nuclear factor binding sites.

Recommended Storage: -70degreeC.

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.

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.

Seikevitz M, Josephs SF, Dukovich M, Petter 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 (pCD52) from Dr. Steven Josephs (cat# 1528)."

Last Updated

September 05, 2018

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