



NIH AIDS Reagent Program

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DATA SHEET

Reagent:	HIV-1 LTR CAT Reporter Vector (pCD52)
Catalog Number:	1528
Lot Number:	180338
Release Category:	C
Provided:	5 µg of dried purified DNA stabilized in DNASTable PLUS
Cloning Vector:	pC15CAT (cat# 1527), a derivative of pSV0CAT Ampicillin resistant
Cloning Site:	HindIII cloning site
Description:	A HIV-1 partial LTR CAT reporter vector
Special Characteristics:	<p>This plasmid is part of a series of nested deletion mutants originating from the parent plasmid, pC15CAT (cat# 1527). pC15CAT is a full length HIV-1 LTR CAT reporter vector. Deletion mutants were created when pC15CAT was cleaved with KpnI, treated with Bal31 exonuclease to create blunt ends, and then re-ligated with XbaI linkers.</p> <p>The resultant deletion mutant, pCD52, contains HIV-1 LTR sequences from -65 to +80 located in front of the CAT reporter gene. The NF-κB binding site is also deleted, but the clone retains two Sp1 nuclear factor binding sites.</p> <p>Contributor provided plasmid map</p> <p>Plasmids can be propagated in STBL2 cells and grown at 37°C. Larger plasmids may benefit from growth at 30°C. This construct may also be grown in other competent cells.</p> <p>This reagent is currently being provided as dried purified DNA stabilized in DNASTable PLUS. Please see the notice for additional information and the protocol for reconstitution of dried DNA reagents. Dried DNA Notice</p>

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. Steven F. Josephs

References:

Seigel, L. J., Ratner, L., Josephs, S. F., Derse, D., Feinberg, M. B., Reyes, G. R., O'Brien, S. J. and Wong-Staal, F. (1986). 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(1), 226-31. [PUBMED](#)

Chang, K. S., Liu, W. T. and Josephs, S. F. (1991). Regulation of cellular trans-activating activities in two different promonocytic leukemia cell lines. *Cancer Lett*, 60(1), 75-83. [PUBMED](#)

Siekevitz, M., Josephs, S. F., Dukovich, M., Peffer, N., Wong-Staal, F. and Greene, W. C. (1987). Activation of the HIV-1 LTR by T cell mitogens and the trans-activator protein of HTLV-I. *Science*, 238(4833), 1575-8. [PUBMED](#)

Arya, S. K., Guo, C., Josephs, S. F. and Wong-Staal, F. (1985). Trans-activator gene of human T-lymphotropic virus type III (HTLV-III). *Science*, 229(4708), 69-73. [PUBMED](#)

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)."

Scientists at for-profit institutions or who intend commercial use of this reagent must contact the NCI Technology Transfer Center at the following email address: lauren.nguyen-antczak@nih.gov, before the reagent can be released.

Last Updated March 24, 2020

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