



## NIH AIDS Reagent Program

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### DATA SHEET

**Reagent:** HIV-1 LTR CAT Reporter Vector (pCD12)

**Catalog Number:** 1524

**Lot Number:** 180337

**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:** This construct is 5358 bp including the insert.  
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.  
The resultant deletion mutant, pCD12, contains a small deletion at -670D (CAT gene KpnI site). LTR-directed gene expression is enhanced compared to that of the full length LTR.  
[Contributor provided plasmid map](#)  
[Sequence file lot 180337](#)  
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.  
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

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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.

of dried DNA reagents. [Dried DNA Notice](#)

**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:**

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](#)

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](#)

Gorman, C. M., Moffat, L. F. and Howard, B. H. (1982). Recombinant genomes which express chloramphenicol acetyltransferase in mammalian cells. *Mol Cell Biol*, 2(9), 1044-51. [PUBMED](#)

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](#)

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](#)

**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 (pCD12) from Dr. Steven Josephs (cat# 1524)." Also include the reference cited above in any publications.

**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](mailto:lauren.nguyen-antczak@nih.gov), before the reagent can be released.**

**Last Updated**

March 24, 2020

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