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DATA SHEET

Reagent:	HIV-1 LTR CAT Reporter Vector (pCD16)
Catalog Number:	1523
Lot Number:	180422
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 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, pCD16, contains HIV-1 LTR sequences from -176 to +80 located in front of the CAT reporter gene. Contributor provided plasmid map 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 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:	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 (pCD16) from Dr. Steven Josephs (cat# 1523)." 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, before the reagent can be released.**
Last Updated	March 24, 2020