



## NIH AIDS Reagent Program

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### DATA SHEET

<b>Reagent:</b>	CAT Reporter Vector (pJ32)
<b>Catalog Number:</b>	2137
<b>Lot Number:</b>	180361
<b>Release Category:</b>	C
<b>Provided:</b>	5 µg of dried purified DNA stabilized in DNASTable <i>PLUS</i>
<b>Cloning Vector:</b>	Δ56, a truncated <i>c-fos</i> promoter/CAT reporter plasmid Ampicillin resistant
<b>Cloning Site:</b>	SalI cloning site
<b>Description:</b>	A CAT reporter vector which contains two synthetic 26 bp oligonucleotides containing a mutated form of the κ light chain enhancer NF-κB binding site.
<b>Special Characteristics:</b>	<p>This construct is 5275 bp including the insert.</p> <p>The synthetic mutated oligonucleotide sequence is (3937)TCGACAGAATTCACCTTCCGAGAGGC(3958).</p> <p><a href="#">Sequence file lot 180361</a></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 <i>PLUS</i>. Please see the notice for additional information and the protocol for reconstitution of dried DNA reagents. <a href="#">Dried DNA Notice</a></p>
<b>Recommended Storage:</b>	Keep the reagent at room temperature in a dry storage cabinet or in a moisture barrier bag.

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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.

**Contributor:** Dr. Jacqueline Pierce and Dr. Michael Lenardo

**References:** Gilman, M. Z., Wilson, R. N. and Weinberg, R. A. (1986). Multiple protein-binding sites in the 5'-flanking region regulate c-fos expression. Mol Cell Biol, 6(12), 4305-16. [PUBMED](#)

Pierce, J. W., Lenardo, M. and Baltimore, D. (1988). Oligonucleotide that binds nuclear factor NF-kappa B acts as a lymphoid-specific and inducible enhancer element. Proc Natl Acad Sci U S A, 85(5), 1482-6. [PUBMED](#)

**NOTE:** Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: CAT Reporter Vector (pJ32) from Dr. Jacqueline Pierce and Dr. Michael Lenardo (cat# 2137)." 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 NIH Office of Technology Transfer, Email: [NIAIDAIDSReagent@niaid.nih.gov](mailto:NIAIDAIDSReagent@niaid.nih.gov), before the reagent can be released. Please specify the name and a description of the intended use of the reagent.**

**Last Updated** March 24, 2020

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