



NIH AIDS Reagent Program

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DATA SHEET

Reagent:	CAT Reporter Vector (pIL2Rmut1)
Catalog Number:	2135
Lot Number:	180417
Release Category:	C
Provided:	5 µg of dried purified DNA stabilized in DNastable <i>PLUS</i>
Cloning Vector:	Δ56, a truncated <i>c-fos</i> promoter/CAT reporter plasmid Ampicillin resistant
Cloning Site:	SalI cloning site
Description:	A CAT reporter vector which contains a 26 bp oligonucleotide containing the α subunit of the IL-2 receptor NFκB binding site (region -268 through -243) with a 3 bp mutation.
Special Characteristics:	<p>This construct is 5254 bp including the insert.</p> <p>The synthetic NF-κB oligonucleotide sequence is (-268)GCTCAATCTCCCTCTCCTTTTATGGG(-243). Nucleotides -267 through -269 were altered to CTC, causing a loss in enhancer activity of the construct.</p> <p>Sequence file lot 180417</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. Dried DNA Notice</p>
Recommended Storage:	Keep the reagent at room temperature in a dry storage cabinet or in a moisture barrier bag.

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. Michael J. 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 (pIL2Rmut1) from Dr. Michael Lenardo (cat# 2135)." 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, 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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