



NIH AIDS Reagent Program

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DATA SHEET

Reagent:	CAT Reporter Vector (pIL-2r)
Catalog Number:	2134
Lot Number:	180359
Release Category:	C
Provided:	5 µg of dried purified DNA stabilized in DNastable PLUS
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 synthetic 26 bp oligonucleotide containing the alpha subunit of the IL-2 receptor NF-κB binding site (-268 through -243).
Special Characteristics:	<p>This construct is 5253 bp including the insert.</p> <p>The synthetic κB oligonucleotide sequence is: (-268 nt)GGGGAATCTCCCTCTCCTTTTATGGG(-243 nt). The κB enhancer drives increased CAT expression in transfected S194 myeloma and 3T3 cells. This activity is further increased by LPS stimulation of these B-cell lines.</p> <p>Sequence file lot 180539</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. 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 (pIL-2r) from Dr. Michael Lenardo (cat# 2134)." Also include the references 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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