



NIH AIDS Reagent Program

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DATA SHEET

Reagent: CAT Reporter Vector (pIL2Rmut1)

Catalog Number: 2135

Lot Number: 10/7/93

Release Category: C

Provided: 1 ml transformed DH5a bacteria.

Cloning Vector: Δ 56, a minimal *c-fos* promoter/CAT reporter plasmid.

Description: A synthetic 26 bp oligonucleotide containing the α subunit of the IL-2 receptor (IL-2Ra) NF κ B binding site (region -268 through -243) with a 3 bp mutation was cloned into the *SaI* site of plasmid Δ 56.

Special Characteristics: The synthetic κ B oligonucleotide sequence is: (-268)GCTCAATCTCCCTCTCCTTTTATGGG(-243). Nucleotides -267 through -269 were altered to CTC, causing a loss in enhancer activity of the construct. Double digestion of the plasmid with *EcoRI* and *HindIII* produces a 500 kb fragment containing the insert, a 2650 kb fragment, and a 2130 kb fragment. Digestion with *HincII* produces a 1750 kb fragment containing the insert, and 2900, 370, and 240 kb fragments.

Recommended Storage: -70°C.

Contributor: Dr. Michael J. Lenardo.

References: Pierce JW, Lenardo M, Baltimore D. Oligonucleotide that binds nuclear factor NF- κ B acts as a lymphoid-specific and inducible enhancer element. *Proc Natl Acad Sci USA* **85**:1482-1486, 1988. Gilman MZ, Wilson RN, Weinberg RA. Multiple protein-binding sites in the 5'-flanking region regulate *c-fos* expression. *Mol Cell Biol* **6**:4305-4316, 1986.

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.

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

November 21, 2018

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