



NIH AIDS Reagent Program

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DATA SHEET

Reagent: CAT Reporter Vector (pJ32)

Catalog Number: 2137

Lot Number: 10/29/93

Release Category: C

Provided: 1 vial transformed DH α bacteria.

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

Cloning Site: *Sa*I.

Description: Two synthetic 26 bp oligonucleotides (TCGACAGAATTCACCTTTCCGAGAGGC) containing a mutated form of region 3937-3958 of the κ light chain enhancer NF- κ B binding site (B orientation) were cloned into the *Sa*I site of D56, a truncated *c-fos* promoter/CAT reporter plasmid.

Contains two mutated copies (3937-3958 GGGG \rightarrow ATTC) of the κ light chain enhancer NF- κ B site (B orientation) cloned into the *Sa*I site of κ 56.

Special Characteristics: Double digestion of the plasmid with *Eco*RI and *Hind*III produces a 500 kb fragment containing the insert, a 2650 kb fragment, and a 2130 -kb fragment. Digestion with *Hinc*II produces a 1750 -kb fragment containing the insert, and 2900, 370, and 240 -kb fragments. CAT activity is substantially reduced in comparison to pJ16 (Cat. #2136).
Bacterial Host: DH5- α .

Recommended Storage: -70°C.

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

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.

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.

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, before the reagent can be released. Please specify the name and a description of the intended use of the reagent.

Last Updated

November 09, 2018

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