



## NIH AIDS Reagent Program

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### DATA SHEET

**Reagent:** CAT Reporter Vector (pJ16)

**Catalog Number:** 2136

**Lot Number:** 10/29/93

**Release Category:** C

**Provided:** 1 vial transformed DH5 $\alpha$  bacteria.

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

**Description of Clone:** Contains two copies of the  $\kappa$  light chain enhancer NF- $\kappa$ B site (B orientation) cloned into the *Sa*I site of  $\Delta$ 56.

**Description:** Two synthetic 26 bp oligonucleotides (TCGACAGAGGGGACTTTCCGAGAGGC) containing region 3937-3958 of the  $\kappa$  light chain enhancer NF- $\kappa$ B binding site (B orientation) were cloned into the *Sa*I site of  $\Delta$ 56, a truncated *c-fos* promoter/CAT reporter plasmid as a direct repeat.

**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.  
Bacterial Host: DH5 $\alpha$ .

**Recommended Storage:** -70°C.

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

**References:** 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.

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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.

**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 (pJ16) from Dr. Jacqueline Pierce and Dr. Michael Lenardo (cat# 2136)." 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**

November 09, 2018

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