Reagent: HIV-1 LTR CAT Reporter Vector (pCD54E8)

Catalog Number: 1520

Lot Number: 96111

Release Category: C

Provided: 1 vial of ampicillin-resistant transformed bacteria DH5-a. Also grows in HB101.

Cloning Vector: pC15CAT (Catalog #1527), a derivative of pSV0CAT.

Cloning Site: HindIII.

Description: The 5' end of the LTR to position -48 from the transcriptional start site is deleted, but the presence of the NF-kB enhancer sequence (reverse) resulted in restored transcriptional activity (CAT assay).

Clone pC15CAT was cleaved with KpnI, treated with Bal31 exonuclease, blunted and the XbaI linkers ligated. The resultant deletion mutant, pCD54E8, contains HIV-1IIIB LTR sequences from -48 to +80 located in front of the CAT gene. The NFkB sequence has been cloned into the XbaI site at -48 in the reversed orientation. The NFkB insert sequence is: XbaI XbaI -48 5’cgacggagtact/cetagttgaaagtccccacgccgaaagctcct/cetagag*gcgag3’

Special Characteristics: The 5’ end of the LTR to position -48 from the transcriptional start site is deleted, but the presence of the NFkB enhancer sequence resulted in restored transcriptional activity as determined by CAT assay. The LTR sequences are cloned upstream to the CAT gene.

Recommended Storage: -70 degreeC

Contributor: Dr. Steven F. Josephs.

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:


NOTE:

Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: HIV-1 LTR CAT Reporter Vector (pCD54E8) from Dr. Steven Josephs (cat# 1520)." 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 NCI Technology Transfer Center at the following email address: lauren.nguyen-antczak@nih.gov, before the reagent can be released.

Last Updated

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