



NIH AIDS Reagent Program

20301 Century Boulevard
Building 6, Suite 200
Germantown, MD 20874
USA

Phone: 240 686 4740
Fax: 301 515 4015
aidsreagent.org

DATA SHEET

Reagent: HIV-1 93ZM74 LTR Luciferase Reporter Vector

Catalog Number: 4789

Lot Number: 011631

Release Category: B

Provided: 1 vial of transformed DH5a bacteria in LB broth containing 20% glycerol.

Cloning Vector: pBluescript KS(+). Ampicillin resistant. The construct size is 5720 bp.

Description: This construct bears the 3' LTR region from an HIV-1 subtype C patient isolate upstream of the luciferase gene. The LTR was shown to be functional using the subtype B LAI tat protein.

Special Characteristics: The LTR region (nt -147 to +63 relative to the transcription start site) from a subtype C patient isolate was PCR-amplified and exchanged into pBlue3'LTR-luc-B (Catalog #4788) in place of the LAI LTR. It contains two NF-kB enhancers, three Sp1 binding sites, the TATA box, and the TAR TNA hairpin motif.

The accession numbers for these related reagents are:
Cat# 4787-[AF127566](#) (subtype A)
Cat# 4788-[K02013.1](#) (subtype B)
Cat# 4789-[AF127567](#) (subtype C)
Not offered -[AF127568](#) (subtype C)
Cat# 4790-[AF127569](#) (subtype D)
Cat# 4791-[AF127570](#) (subtype E)
Cat# 4792-[AF127571](#) (subtype F)
Cat# 4793-[AF127572](#) (subtype G)

Alternate names include: pBlue3'LTR-luc-C

Recommended Storage: -70°C.

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.

Contributor: Dr. Reink Jeeninga and Dr. Ben Berkhout.

References: Jeeninga RE, Hoogenkamp M, Armand-Ugon M, Baar MD, Verhoef K, Berkhout B. Functional differences between the long terminal repeat transcriptional promoters of human immunodeficiency virus type 1 subtypes A through G. *J Virol* **74**:3740-3751, 2000.

Klave B, Berkhout B. Comparison of the 5' and 3' LTR promoter function in the human immunodeficiency virus. *J Virol* **68**:3830-3840, 1994.

NOTE: Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: HIV-1 93ZM74 LTR Luciferase Reporter Vector from Dr. Reink Jeeninga and Dr. Ben Berkhout (cat# 4789)." Also include the references cited above in any publications.

Last Updated December 21, 2018

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.