



NIH AIDS Reagent Program

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DATA SHEET

Reagent: HIV-1 93UG66 LTR Luciferase Reporter Vector

Catalog Number: 4787

Lot Number: 150274

Release Category: B

Provided: 5 µg of dried purified DNA stabilized in DNastable *PLUS*

Cloning Vector: pBluescript KS(+). Ampicillin resistant. The construct size is 5721 bp.

Description: This construct bears the 3' LTR region from an HIV-1 subtype A 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 A 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.

[Sequence file lot 150274](#)

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-A

This reagent is currently being provided as dried purified DNA stabilized in DNastable *PLUS*. Please see the notice for additional information and the protocol for reconstitution of dried DNA reagents. [Dried DNA Notice](#)

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.

Recommended Storage: Keep the reagent at room temperature in a dry storage cabinet or in a moisture barrier bag.

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. [Abstract](#)

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

NOTE: Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: HIV-1 93UG66 LTR Luciferase Reporter Vector from Dr. Reink Jeeninga and Dr. Ben Berkhout (cat# 4787)." Also include the references cited above in any publications.

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