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 LAI LTR Luciferase Reporter Vector
Catalog Number:	4788
Lot Number:	011630
Release Category:	B
Provided:	1 vial of transformed DH5a bacteria in LB broth containing 20% glycerol.
Description:	Contains a 1426 bp BglI-XhoI fragment from pBluescript KS(+) with the ColE1 origin, a 719 bp XhoI-HindIII LAI 3' LTR fragment, a 1951 bp HindIII-BamHI pGL3 luciferase gene, and a 1625 bp BamHI-BglI fragment derived from pSV2CAT, which encompasses an SV40 polyA site and a pBluescript KS(+) fragment. The construct size is 5720 bp.
Special Characteristics:	Used to produce LTR constructs for HIV-1 subtypes A, C, D, E, F, and G. The LTR can be activated by the Tat protein of a subtype B isolate. Alternate names include: pBlue3'LTR-luc
Recommended Storage:	-70°C
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 LAI LTR Luciferase Reporter Vector from Dr. Reink Jeeninga and Dr. Ben Berkhout (cat# 4788)." Also include the references cited above in any publications.

Last Updated December 21, 2018