

Resource Summary Report

Generated by [NIF](#) on Jul 28, 2026

pG-HIV-2LTR

RRID:Addgene_104590

Type: Plasmid

Proper Citation

RRID:Addgene_104590

Plasmid Information

URL: <http://www.addgene.org/104590>

Proper Citation: RRID:Addgene_104590

Insert Name: 2LTR circle junction of HIV-1

Organism: HIV-1 virus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:18762215](#)

Vector Backbone Description: Backbone Marker:Promega; Backbone Size:3001; Vector Backbone:pGemT; Vector Types:cloning vector; Bacterial Resistance:Ampicillin

Comments: During HIV-1 infection, unintegrated viral cDNA may be circularized. The circularization generates a unique junction between the long terminal repeat (LTR) ends. HIV-1 2LTR circles have been quantified as measure of viral replication or entry of the viral cDNA into the host cell nucleus. The amplicon is 2672-2879 in the Addgene sequence file. This corresponds to HIV-1 strain HXB2 reference genome 9585-9719 bp (Addgene 2672-2806 bp) fused to 1 to 51 bp (Addgene 2829-2879 bp). In this plasmid there are 22 bp (Addgene 2807-2828 bp) of random sequence inserted between the HIV-1 ends. The insert may be amplified with primers MH535 (5' AACTAGGGAACCCACTGCTTAAG), MH536 (5' TCCACAGATCAAGGATATCTTGTC), and Taqman probe MH603 (5' ACACTACTTGAAGCACTCAAGGCAAGCTTT).

Plasmid Name: pG-HIV-2LTR

Record Creation Time: 20220422T221507+0000

Record Last Update: 20260725T073408+0000

Ratings and Alerts

No rating or validation information has been found for pG-HIV-2LTR.

No alerts have been found for pG-HIV-2LTR.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Song B, et al. (2024) Bafilomycin A1 Inhibits HIV-1 Infection by Disrupting Lysosomal Cholesterol Transport. Viruses, 16(9).