

Resource Summary Report

Generated by [RRID](#) on Aug 26, 2026

pY109 (lenti-LbCpf1)

RRID:Addgene_84740

Type: Plasmid

Proper Citation

RRID:Addgene_84740

Plasmid Information

URL: <http://www.addgene.org/84740>

Proper Citation: RRID:Addgene_84740

Insert Name: huLbCpf1

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:27918548](#)

Vector Backbone Description: Backbone Size:8069; Vector Backbone:pHKO_23; Vector Types:Lentiviral; Bacterial Resistance:Ampicillin

Comments: Contains a BsmBI cloning cassette for insertion of Cpf1 guides under U6 promoter control.

Plasmid Name: pY109 (lenti-LbCpf1)

Record Creation Time: 20220422T222546+0000

Record Last Update: 20260815T082118+0000

Ratings and Alerts

No rating or validation information has been found for pY109 (lenti-LbCpf1).

No alerts have been found for pY109 (lenti-LbCpf1).

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Fan M, et al. (2023) CRISPR-Cas12b enables a highly efficient attack on HIV proviral DNA in T cell cultures. *Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie*, 165, 115046.

Fan M, et al. (2022) A combinatorial CRISPR-Cas12a attack on HIV DNA. *Molecular therapy. Methods & clinical development*, 25, 43.

Gao Z, et al. (2020) Extinction of all infectious HIV in cell culture by the CRISPR-Cas12a system with only a single crRNA. *Nucleic acids research*, 48(10), 5527.

Gao Z, et al. (2019) A Single H1 Promoter Can Drive Both Guide RNA and Endonuclease Expression in the CRISPR-Cas9 System. *Molecular therapy. Nucleic acids*, 14, 32.

Breinig M, et al. (2019) Multiplexed orthogonal genome editing and transcriptional activation by Cas12a. *Nature methods*, 16(1), 51.

Chow RD, et al. (2018) Programmable sequential mutagenesis by inducible Cpf1 crRNA array inversion. *Nature communications*, 9(1), 1903.