

Resource Summary Report

Generated by [RRID](#) on Aug 27, 2026

[pY108 \(lenti-AsCpf1\)](#)

RRID:Addgene_84739

Type: Plasmid

Proper Citation

RRID:Addgene_84739

Plasmid Information

URL: <http://www.addgene.org/84739>

Proper Citation: RRID:Addgene_84739

Insert Name: huAsCpf1

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: pY108 (lenti-AsCpf1)

Record Creation Time: 20220604T080410+0000

Record Last Update: 20260815T082304+0000

Ratings and Alerts

No rating or validation information has been found for pY108 (lenti-AsCpf1).

No alerts have been found for pY108 (lenti-AsCpf1).

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 12 mentions in open access literature.

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

Kim S, et al. (2026) CRISPR-Cpf1-Mediated Gene-Editing System Based on a Single Bidirectional Promoter. International journal of molecular sciences, 27(10).

Lee JG, et al. (2024) PIBF1 regulates trophoblast syncytialization and promotes cardiovascular development. Nature communications, 15(1), 1487.

Yang L, et al. (2024) Tissue-location-specific transcription programs drive tumor dependencies in colon cancer. Nature communications, 15(1), 1384.

Umbach A, et al. (2022) Generation of corrected hiPSC clones from a Cornelia de Lange Syndrome (CdLS) patient through CRISPR-Cas-based technology. Stem cell research & therapy, 13(1), 440.

Choi J, et al. (2021) Efficient hepatic differentiation and regeneration potential under xeno-free conditions using mass-producible amnion-derived mesenchymal stem cells. Stem cell research & therapy, 12(1), 569.

Oh SH, et al. (2021) Multiplex gene targeting in the mouse embryo using a Cas9-Cpf1 hybrid guide RNA. Biochemical and biophysical research communications, 539, 48.

Wu P, et al. (2021) Engineering an Optogenetic CRISPRi Platform for Improved Chemical Production. ACS synthetic biology, 10(1), 125.

Gier RA, et al. (2020) High-performance CRISPR-Cas12a genome editing for combinatorial genetic screening. Nature communications, 11(1), 3455.

Hu X, et al. (2020) IGF2BP2 regulates DANCR by serving as an N6-methyladenosine reader. Cell death and differentiation, 27(6), 1782.

Tao Y, et al. (2019) Aging-like Spontaneous Epigenetic Silencing Facilitates Wnt Activation, Stemness, and BrafV600E-Induced Tumorigenesis. Cancer cell, 35(2), 315.

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

Maule G, et al. (2019) Allele specific repair of splicing mutations in cystic fibrosis through AsCas12a genome editing. Nature communications, 10(1), 3556.