

Resource Summary Report

Generated by [dkNET](#) on Sep 1, 2026

p11-LacY-wtx1

RRID:Addgene_69056

Type: Plasmid

Proper Citation

RRID:Addgene_69056

Plasmid Information

URL: <http://www.addgene.org/69056>

Proper Citation: RRID:Addgene_69056

Insert Name: ccdB

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:16214805](#)

Vector Backbone Description: Backbone Size:4600; Vector Backbone:pBAD18; Vector Types;; Bacterial Resistance:Ampicillin

Comments: Note: Some users of this plasmid report low DNA yields from DNA preps. Addgene recommends users be aware of this when prepping DNA from this plasmid.

Plasmid Name: p11-LacY-wtx1

Record Creation Time: 20220422T222429+0000

Record Last Update: 20260829T080921+0000

Ratings and Alerts

No rating or validation information has been found for p11-LacY-wtx1.

No alerts have been found for p11-LacY-wtx1.

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 [dkNET](#) .

Nayfach S, et al. (2025) Engineering of CRISPR-Cas PAM recognition using deep learning of vast evolutionary data. *bioRxiv : the preprint server for biology*.

Herring-Nicholas A, et al. (2025) TOP-SECRETS enables Cas9 nucleases to discriminate SNVs outside of PAMs. *bioRxiv : the preprint server for biology*.

Alves CRR, et al. (2025) Treatment of a severe vascular disease using a bespoke CRISPR-Cas9 base editor in mice. *Nature biomedical engineering*.

Park SG, et al. (2025) Comprehensive profiling of activity and specificity of RNA-guided transposons reveals opportunities to engineer improved variants. *Nucleic acids research*, 53(18).

Silverstein RA, et al. (2025) Custom CRISPR-Cas9 PAM variants via scalable engineering and machine learning. *Nature*, 643(8071), 539.

Schmidheini L, et al. (2024) Continuous directed evolution of a compact CjCas9 variant with broad PAM compatibility. *Nature chemical biology*, 20(3), 333.

Herring-Nicholas A, et al. (2024) Selection of extended CRISPR RNAs with enhanced targeting and specificity. *Communications biology*, 7(1), 86.

Pedrazzoli E, et al. (2024) CoCas9 is a compact nuclease from the human microbiome for efficient and precise genome editing. *Nature communications*, 15(1), 3478.

Christie KA, et al. (2023) Precise DNA cleavage using CRISPR-SpRYgests. *Nature biotechnology*, 41(3), 409.

Herring-Nicholas A, et al. (2023) Selection of Extended CRISPR RNAs with Enhanced Targeting and Specificity. *bioRxiv : the preprint server for biology*.

Ciciani M, et al. (2022) Automated identification of sequence-tailored Cas9 proteins using massive metagenomic data. *Nature communications*, 13(1), 6474.

Kleinstiver BP, et al. (2019) Engineered CRISPR-Cas12a variants with increased activities and improved targeting ranges for gene, epigenetic and base editing. *Nature biotechnology*, 37(3), 276.