

Resource Summary Report

Generated by [RRID](#) on Sep 3, 2026

p46Cpf1-OP2

RRID:Addgene_98592

Type: Plasmid

Proper Citation

RRID:Addgene_98592

Plasmid Information

URL: <http://www.addgene.org/98592>

Proper Citation: RRID:Addgene_98592

Insert Name: FnCpf1

Organism: Francisella

Bacterial Resistance: Chloramphenicol

Defining Citation: [PMID:30356638](#)

Vector Backbone Description: Backbone Marker:Datsenko KA & Wanner BL (PMID:10829079); Vector Backbone:pKD46; Vector Types:Bacterial Expression, CRISPR; Bacterial Resistance:Chloramphenicol

Plasmid Name: p46Cpf1-OP2

Relevant Mutation: Codon optimized for E. coli

Record Creation Time: 20220422T222630+0000

Record Last Update: 20260902T050541+0000

Ratings and Alerts

No rating or validation information has been found for p46Cpf1-OP2.

No alerts have been found for p46Cpf1-OP2.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Rill A, et al. (2024) Genetic toolbox for Photorhabdus and Xenorhabdus: pSEVA based heterologous expression systems and CRISPR/Cpf1 based genome editing for rapid natural product profiling. Microbial cell factories, 23(1), 98.

Liu S, et al. (2022) The trans DNA cleavage activity of Cas12a provides no detectable immunity against plasmid or phage. Frontiers in genome editing, 4, 929929.

Ao X, et al. (2018) A Multiplex Genome Editing Method for Escherichia coli Based on CRISPR-Cas12a. Frontiers in microbiology, 9, 2307.