

Resource Summary Report

Generated by [NIF](#) on Aug 24, 2026

pE-FLP

RRID:Addgene_45978

Type: Plasmid

Proper Citation

RRID:Addgene_45978

Plasmid Information

URL: <http://www.addgene.org/45978>

Proper Citation: RRID:Addgene_45978

Insert Name: flp

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:24050148](#)

Vector Backbone Description: Vector Backbone:pKD46; Vector Types:Bacterial Expression, Synthetic Biology; Bacterial Resistance:Ampicillin

Comments: Can be used to remove the integration module (including the antibiotic resistance cassette) from pOSIP integrants. Reference: St-Pierre F, Cui L et al., "One-step cloning and chromosomal integration of DNA", ACS Synthetic Biology, <http://pubs.acs.org/doi/abs/10.1021/sb400021j>

Plasmid Name: pE-FLP

Relevant Mutation: flp driven by the constitutive promoter pE from phage P2

Record Creation Time: 20220422T222237+0000

Record Last Update: 20260815T081528+0000

Ratings and Alerts

No rating or validation information has been found for pE-FLP.

No alerts have been found for pE-FLP.

Data and Source Information

Usage and Citation Metrics

We found 15 mentions in open access literature.

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

Hina-Nilesh Joshi S, et al. (2026) SHARK: A Specialized Host for Assembling R6K Plasmids. ACS synthetic biology, 15(2), 867.

Mathieu-Denoncourt A, et al. (2025) The carRS-ompV-virK operon of Vibrio cholerae senses antimicrobial peptides and activates the expression of multiple resistance systems. Scientific reports, 15(1), 13686.

Rijal S, et al. (2025) CRISPRi-Linked Multi-Module Negative Feedback Loops to Address Winner-Take-All Resource Competition. bioRxiv : the preprint server for biology.

Strepy D, et al. (2024) Transgenic Tg(Kcnj10-ZsGreen) fluorescent reporter mice allow visualization of intermediate cells in the stria vascularis. Scientific reports, 14(1), 3038.

Strepy D, et al. (2023) Transgenic Tg(Kcnj10-ZsGreen) Fluorescent Reporter Mice Allow Visualization of Intermediate Cells in the Stria Vascularis. Research square.

Sim L, et al. (2022) Mammalian sialyltransferases allow efficient Escherichia coli-based production of mucin-type O-glycoproteins but can also transfer Kdo. Glycobiology, 32(5), 429.

Radford F, et al. (2022) Targeted editing and evolution of engineered ribosomes in vivo by filtered editing. Nature communications, 13(1), 180.

Lam KN, et al. (2021) Phage-delivered CRISPR-Cas9 for strain-specific depletion and genomic deletions in the gut microbiome. Cell reports, 37(5), 109930.

Landberg J, et al. (2020) An autoinducible trp-T7 expression system for production of proteins and biochemicals in Escherichia coli. Biotechnology and bioengineering, 117(5), 1513.

Landberg J, et al. (2020) CRISPR interference of nucleotide biosynthesis improves production of a single-domain antibody in Escherichia coli. Biotechnology and bioengineering, 117(12), 3835.

Lastiri-Pancardo G, et al. (2020) A quantitative method for proteome reallocation using minimal regulatory interventions. Nature chemical biology, 16(9), 1026.

Depardieu F, et al. (2020) Gene silencing with CRISPRi in bacteria and optimization of dCas9 expression levels. Methods (San Diego, Calif.), 172, 61.

Zeidler MG, et al. (2019) Transgene Recombineering in Bacterial Artificial Chromosomes. Methods in molecular biology (Clifton, N.J.), 1874, 43.

Zeng Y, et al. (2018) A Split Transcriptional Repressor That Links Protein Solubility to an Orthogonal Genetic Circuit. *ACS synthetic biology*, 7(9), 2126.

Yan X, et al. (2016) Electroporation-Based Genetic Manipulation in Type I Methanotrophs. *Applied and environmental microbiology*, 82(7), 2062.