

Resource Summary Report

Generated by [NIF](#) on Aug 19, 2026

pCAG-Flpe

RRID:Addgene_13787

Type: Plasmid

Proper Citation

RRID:Addgene_13787

Plasmid Information

URL: <http://www.addgene.org/13787>

Proper Citation: RRID:Addgene_13787

Insert Name: Flpe

Organism: *Saccharomyces cerevisiae*

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:17209010](#)

Vector Backbone Description: Backbone Size:4779; Vector Backbone:pCAGEN; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: Kozak consensus sequence was added before the start ATG. Internal EcoRI site was destroyed by introducing a silent mutation. Myc-tag was added at the C-terminus of Flpe.

Plasmid Name: pCAG-Flpe

Record Creation Time: 20220422T221758+0000

Record Last Update: 20260815T080617+0000

Ratings and Alerts

No rating or validation information has been found for pCAG-Flpe.

No alerts have been found for pCAG-Flpe.

Data and Source Information

Usage and Citation Metrics

We found 23 mentions in open access literature.

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

Watanabe N, et al. (2025) Diacylglycerol kinase γ is a positive insulin secretion regulator in pancreatic β -cell line MIN6. Biochemical and biophysical research communications, 742, 151109.

Eder M, et al. (2025) Functional maps of a genomic locus reveal confinement of an enhancer by its target gene. Science (New York, N.Y.), 389(6766), eads6552.

Dauban L, et al. (2025) Interactions between the genome and the nuclear lamina are multivalent and cooperative. Nature structural & molecular biology, 32(11), 2335.

Misra J, et al. (2024) Multiple mechanisms activate GCN2 eIF2 kinase in response to diverse stress conditions. Nucleic acids research, 52(4), 1830.

Jensen CL, et al. (2024) Long-range regulation of transcription scales with genomic distance in a gene-specific manner. Molecular cell.

Ye H, et al. (2022) An estrogen-sensitive hypothalamus-midbrain neural circuit controls thermogenesis and physical activity. Science advances, 8(3), eabk0185.

Osawa Y, et al. (2021) EXOC1 plays an integral role in spermatogonia pseudopod elongation and spermatocyte stable syncytium formation in mice. eLife, 10.

Srivastava V, et al. (2021) FLP-Mediated Site-Specific Gene Integration in Rice. Methods in molecular biology (Clifton, N.J.), 2238, 231.

Huang H, et al. (2021) CTCF mediates dosage- and sequence-context-dependent transcriptional insulation by forming local chromatin domains. Nature genetics, 53(7), 1064.

Denoth-Lippuner A, et al. (2021) Visualization of individual cell division history in complex tissues using iCOUNT. Cell stem cell, 28(11), 2020.

Andrade NS, et al. (2020) Dipeptide repeat proteins inhibit homology-directed DNA double strand break repair in C9ORF72 ALS/FTD. Molecular neurodegeneration, 15(1), 13.

Morikawa K, et al. (2020) Photoactivatable Cre recombinase 3.0 for in vivo mouse applications. Nature communications, 11(1), 2141.

Kohno S, et al. (2019) An N-terminal-truncated isoform of FAM134B (FAM134B-2) regulates starvation-induced hepatic selective ER-phagy. Life science alliance, 2(3).

Lu C, et al. (2019) Generation of a knock-in MAP2-tdTomato reporter human embryonic stem cell line with inducible expression of NEUROG2/1 (NYGCE001-A). Stem cell

research, 41, 101643.

Shiozaki Y, et al. (2018) The CDK9-cyclin T1 complex mediates saturated fatty acid-induced vascular calcification by inducing expression of the transcription factor CHOP. *The Journal of biological chemistry*, 293(44), 17008.

Chen Z, et al. (2018) Genetic Engineering of Human Embryonic Stem Cells for Precise Cell Fate Tracing during Human Lineage Development. *Stem cell reports*, 11(5), 1257.

Wang Y, et al. (2018) Paired CRISPR/Cas9 Nickases Mediate Efficient Site-Specific Integration of F9 into rDNA Locus of Mouse ESCs. *International journal of molecular sciences*, 19(10).

Jang Y, et al. (2017) H3K4 Methyltransferase Activity Is Required for MLL4 Protein Stability. *Journal of molecular biology*, 429(13), 2046.

Masuda M, et al. (2016) Activating transcription factor-4 promotes mineralization in vascular smooth muscle cells. *JCI insight*, 1(18), e88646.

Yuan M, et al. (2015) A marker-free system for highly efficient construction of vaccinia virus vectors using CRISPR Cas9. *Molecular therapy. Methods & clinical development*, 2, 15035.