

Resource Summary Report

Generated by [dkNET](#) on Aug 22, 2026

pCAG-EGxxFP

RRID:Addgene_50716

Type: Plasmid

Proper Citation

RRID:Addgene_50716

Plasmid Information

URL: <http://www.addgene.org/50716>

Proper Citation: RRID:Addgene_50716

Insert Name: split EGFP

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:24284873](#)

Vector Backbone Description: Backbone Size:5138; Vector Backbone:pCAGGS; Vector Types:Mammalian Expression, CRISPR; Bacterial Resistance:Ampicillin

Plasmid Name: pCAG-EGxxFP

Record Creation Time: 20220422T222259+0000

Record Last Update: 20260815T081608+0000

Ratings and Alerts

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

No alerts have been found for pCAG-EGxxFP.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 63 mentions in open access literature.

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

Lkhagvadorj K, et al. (2026) Optimizing CRISPR precision in mouse embryos via microhomology-mediated end joining-dominant targeting. *Communications biology*, 9(1).

Milenkovic A, et al. (2026) Allele-specific suppression of pathogenic bestrophin-1 transcripts by CRISPR/Cas9-mediated genome editing. *Genome medicine*, 18(1).

Strucinska K, et al. (2025) Fis1 is required for the development of the dendritic mitochondrial network in pyramidal cortical neurons. *bioRxiv : the preprint server for biology*.

Morimoto K, et al. (2024) Regional random mutagenesis driven by multiple sgRNAs and diverse on-target genome editing events to identify functionally important elements in non-coding regions. *Open biology*, 14(4), 240007.

Otake M, et al. (2024) Severe cardiac and skeletal manifestations in DMD-edited microminipigs: an advanced surrogate for Duchenne muscular dystrophy. *Communications biology*, 7(1), 523.

Autio MI, et al. (2024) Computationally defined and in vitro validated putative genomic safe harbour loci for transgene expression in human cells. *eLife*, 13.

Lim JJ, et al. (2024) Generating an organ-deficient animal model using a multi-targeted CRISPR-Cas9 system. *Scientific reports*, 14(1), 10636.

Miyazaki H, et al. (2024) Generation and characterization of cerebellar granule neurons specific knockout mice of Golli-MBP. *Transgenic research*, 33(3), 99.

Toyoda Y, et al. (2023) Vitamin C transporter SVCT1 serves a physiological role as a urate importer: functional analyses and in vivo investigations. *Pflügers Archiv : European journal of physiology*, 475(4), 489.

Sato A, et al. (2023) Generation of a familial hypercholesterolemia model in non-human primate. *Scientific reports*, 13(1), 15649.

Griffin ME, et al. (2023) Functional glycoproteomics by integrated network assembly and partitioning. *bioRxiv : the preprint server for biology*.

Hamada T, et al. (2022) An oncogenic splice variant of PDGFR?? in adult glioblastoma as a therapeutic target for selective CDK4/6 inhibitors. *Scientific reports*, 12(1), 1275.

Tabata H, et al. (2022) Erratic and blood vessel-guided migration of astrocyte progenitors in the cerebral cortex. *Nature communications*, 13(1), 6571.

Habu T, et al. (2022) Gulo gene locus, a new gene editing locus for mammalian cells. *Biotechnology journal*, 17(7), e2100493.

Duan Y, et al. (2022) Brain-wide Cas9-mediated cleavage of a gene causing familial Alzheimer's disease alleviates amyloid-related pathologies in mice. *Nature biomedical*

engineering, 6(2), 168.

Autio MI, et al. (2021) Transposable elements that have recently been mobile in the human genome. BMC genomics, 22(1), 789.

Dewulf JP, et al. (2021) ECHDC1 knockout mice accumulate ethyl-branched lipids and excrete abnormal intermediates of branched-chain fatty acid metabolism. The Journal of biological chemistry, 297(4), 101083.

Oura S, et al. (2021) Precise CAG repeat contraction in a Huntington's Disease mouse model is enabled by gene editing with SpCas9-NG. Communications biology, 4(1), 771.

Osakabe K, et al. (2021) Genome editing in mammalian cells using the CRISPR type I-D nuclease. Nucleic acids research, 49(11), 6347.

Griffin ME, et al. (2021) Sulfated glycans engage the Ang-Tie pathway to regulate vascular development. Nature chemical biology, 17(2), 178.