

Resource Summary Report

Generated by [dkNET](#) on Sep 5, 2026

pCAG-Cre:GFP

RRID:Addgene_13776

Type: Plasmid

Proper Citation

RRID:Addgene_13776

Plasmid Information

URL: <http://www.addgene.org/13776>

Proper Citation: RRID:Addgene_13776

Insert Name: Cre-GFP fusion protein

Organism: Bacteriophage P1

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:17209010](#)

Vector Backbone Description: Backbone Size:4779; Vector Backbone:pCAGEN; Vector Types:Mammalian Expression, Cre/Lox; Bacterial Resistance:Ampicillin

Comments: Kozak consensus sequence was added before the start ATG. GFP-tag was added at the C-terminus of Cre. Cre-GFP fusion protein is localized in the cell nucleus.

Plasmid Name: pCAG-Cre:GFP

Record Creation Time: 20220422T221757+0000

Record Last Update: 20260905T074829+0000

Ratings and Alerts

No rating or validation information has been found for pCAG-Cre:GFP.

No alerts have been found for pCAG-Cre:GFP.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 59 mentions in open access literature.

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

Zhang Y, et al. (2025) hESCs-derived Organoids Achieve Liver Zonation Features through LSEC Modulation. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 12(20), e2411667.

Kim DH, et al. (2025) Long-term correction of hemophilia A via integration of a functionally enhanced FVIII gene into the AAVS1 locus by nickase in patient-derived iPSCs. *Experimental & molecular medicine*, 57(1), 184.

Zobel M, et al. (2025) A human CAGinSTEM platform for decoding HTT repeats' somatic instability links CAG interruption to HD pathology in neurons. *Cell reports*, 44(12), 116685.

Yap CC, et al. (2025) Late endosome transport by RILP-RAB7A promotes dendrite arborization. *bioRxiv : the preprint server for biology*.

Striebel J, et al. (2025) Reproducible Human Neural Circuits Printed with Single-Cell Precision Reveal the Functional Roles of Ephaptic Coupling. *ACS nano*, 19(44), 38457.

McFadden MJ, et al. (2025) IRE1 α promotes phagosomal calcium flux to enhance macrophage fungicidal activity. *Cell reports*, 44(5), 115694.

Tsukahara T, et al. (2025) Division of labor among H3K4 methyltransferases defines distinct facets of homeostatic plasticity. *Cell reports*, 44(6), 115746.

Chea S, et al. (2024) Gastrulation-stage gene expression in Nipbl $\pm$ mouse embryos foreshadows the development of syndromic birth defects. *Science advances*, 10(12), ead14239.

Mulligan RJ, et al. (2024) Collapse of late endosomal pH elicits a rapid Rab7 response via the V-ATPase and RILP. *Journal of cell science*, 137(9).

Shirasawa A, et al. (2024) Efficient derivation of embryonic stem cells and primordial germ cell-like cells in cattle. *The Journal of reproduction and development*, 70(2), 82.

Terron HM, et al. (2023) A Dual-Function "TRE-Lox" System for Genetic Deletion or Reversible, Titratable, and Near-Complete Downregulation of Cathepsin D. *International journal of molecular sciences*, 24(7).

Tsukahara T, et al. (2023) Division of labor among H3K4 Methyltransferases Defines Distinct Facets of Homeostatic Plasticity. *bioRxiv : the preprint server for biology*.

Pu J, et al. (2023) Parkin Maintains Robust Pacemaking in Human Induced Pluripotent Stem Cell-Derived A9 Dopaminergic Neurons. *Movement disorders : official journal of the Movement Disorder Society*, 38(7), 1273.

Mulligan RJ, et al. (2023) Collapse of late endosomal pH elicits a rapid Rab7 response via V-ATPase and RILP. *bioRxiv : the preprint server for biology*.

Naitou Y, et al. (2022) Dual role of Ovol2 on the germ cell lineage segregation during gastrulation in mouse embryogenesis. *Development (Cambridge, England)*, 149(4).

Kawata M, et al. (2022) Long-range axonal projections of transplanted mouse embryonic stem cell-derived hypothalamic neurons into adult mouse brain. *PloS one*, 17(11), e0276694.

Zheng D, et al. (2022) Engineering of human mesenchymal stem cells resistant to multiple natural killer subtypes. *International journal of biological sciences*, 18(1), 426.

Mori T, et al. (2022) Depletion of NIMA-related kinase Nek2 induces aberrant self-renewal and apoptosis in stem/progenitor cells of aged muscular tissues. *Mechanisms of ageing and development*, 201, 111619.

Cai J, et al. (2021) A stress-free strategy to correct point mutations in patient iPS cells. *Stem cell research*, 53, 102332.

Sarrafha L, et al. (2021) High-throughput generation of midbrain dopaminergic neuron organoids from reporter human pluripotent stem cells. *STAR protocols*, 2(2), 100463.