Resource Summary Report

Generated by NIF on Sep 7, 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 NIF .

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.

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

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?? 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+/- mouse embryos foreshadows the development of syndromic birth defects. Science advances, 10(12), eadl4239.

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.

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.

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).

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.