

Resource Summary Report

Generated by [NIF](#) on Jul 29, 2026

pCAG-Cre-IRES2-GFP

RRID:Addgene_26646

Type: Plasmid

Proper Citation

RRID:Addgene_26646

Plasmid Information

URL: <http://www.addgene.org/26646>

Proper Citation: RRID:Addgene_26646

Insert Name: Cre

Organism: Bacteriophage P1

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:17135424](#)

Vector Backbone Description: Backbone Size:6000; Vector Backbone:pCAG-IRES2-GFP; Vector Types:Mammalian Expression, Cre/Lox; Bacterial Resistance:Ampicillin

Comments: Expresses Cre and GFP (driven by IRES)

Plasmid Name: pCAG-Cre-IRES2-GFP

Record Creation Time: 20220422T222119+0000

Record Last Update: 20260725T074510+0000

Ratings and Alerts

No rating or validation information has been found for pCAG-Cre-IRES2-GFP.

No alerts have been found for pCAG-Cre-IRES2-GFP.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 30 mentions in open access literature.

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

Lynch AT, et al. (2025) HAND1 level controls the specification of multipotent cardiac and extraembryonic progenitors from human pluripotent stem cells. *The EMBO journal*, 44(9), 2541.

Jiang X, et al. (2025) Nuclear N-WASP Induces Actin Polymerization in the Nucleus with Cortactin as an Essential Factor. *Cells*, 14(1).

Tóth BI, et al. (2025) Direct modulation of TRPM8 ion channels by rapamycin and analog macrolide immunosuppressants. *eLife*, 13.

Douglas M, et al. (2024) The generation and validation of two NKX2-5 fluorescent reporter human embryonic stem cell lines: UMANe002-A-1 and UMANe002-A-2. *Stem cell research*, 74, 103262.

Nickl P, et al. (2024) Multistep allelic conversion in mouse pre-implantation embryos by AAV vectors. *Scientific reports*, 14(1), 20160.

Maria Cherian R, et al. (2023) Fluorescent hiPSC-derived MYH6-mScarlet cardiomyocytes for real-time tracking, imaging, and cardiotoxicity assays. *Cell biology and toxicology*, 39(1), 145.

Bury LAD, et al. (2023) Neuronal lineage tracing from progenitors in human cortical organoids reveals novel mechanisms of human neuronal production, diversity, and disease. *bioRxiv : the preprint server for biology*.

Brault JB, et al. (2022) RAB6 and dynein drive post-Golgi apical transport to prevent neuronal progenitor delamination. *EMBO reports*, 23(10), e54605.

Al-Dalahmah O, et al. (2020) Galectin-3 modulates postnatal subventricular zone gliogenesis. *Glia*, 68(2), 435.

Chu D, et al. (2020) Stable integration of an optimized inducible promoter system enables spatiotemporal control of gene expression throughout avian development. *Biology open*, 9(10).

Suzuki F, et al. (2020) Overexpression of neural miRNAs miR-9/9* and miR-124 suppresses differentiation to Müller glia and promotes differentiation to neurons in mouse retina in vivo. *Genes to cells : devoted to molecular & cellular mechanisms*, 25(11), 741.

Chen Y, et al. (2020) Wdr47 Controls Neuronal Polarization through the Camsap Family Microtubule Minus-End-Binding Proteins. *Cell reports*, 31(3), 107526.

Segel M, et al. (2019) Niche stiffness underlies the ageing of central nervous system progenitor cells. *Nature*, 573(7772), 130.

Heumüller M, et al. (2019) A genetically encodable cell-type-specific protein synthesis inhibitor. *Nature methods*, 16(8), 699.

Bao X, et al. (2019) Gene Editing to Generate Versatile Human Pluripotent Stem Cell Reporter Lines for Analysis of Differentiation and Lineage Tracing. *Stem cells* (Dayton, Ohio), 37(12), 1556.

Birket MJ, et al. (2019) A Human Stem Cell Model of Fabry Disease Implicates LIMP-2 Accumulation in Cardiomyocyte Pathology. *Stem cell reports*, 13(2), 380.

Kuwako KI, et al. (2018) The LKB1-SIK Pathway Controls Dendrite Self-Avoidance in Purkinje Cells. *Cell reports*, 24(11), 2808.

Morales DP, et al. (2018) Light-Triggered Genome Editing: Cre Recombinase Mediated Gene Editing with Near-Infrared Light. *Small* (Weinheim an der Bergstrasse, Germany), 14(30), e1800543.

Sun B, et al. (2018) Polycomb Protein Eed is Required for Neurogenesis and Cortical Injury Activation in the Subventricular Zone. *Cerebral cortex* (New York, N.Y. : 1991), 28(4), 1369.

Cai L, et al. (2018) A Universal Approach to Correct Various HBB Gene Mutations in Human Stem Cells for Gene Therapy of Beta-Thalassemia and Sickle Cell Disease. *Stem cells translational medicine*, 7(1), 87.