

Resource Summary Report

Generated by [RRID](#) on Aug 30, 2026

[pCAG-Cre](#)

RRID:Addgene_13775

Type: Plasmid

Proper Citation

RRID:Addgene_13775

Plasmid Information

URL: <http://www.addgene.org/13775>

Proper Citation: RRID:Addgene_13775

Insert Name: Cre

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. Myc-tag was added at the C-terminus of Cre.

Plasmid Name: pCAG-Cre

Record Creation Time: 20220422T221757+0000

Record Last Update: 20260829T075610+0000

Ratings and Alerts

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

No alerts have been found for pCAG-Cre.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 126 mentions in open access literature.

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

Paisley CE, et al. (2026) Phosphatidylserine exposure by developing astrocytes initiates microglia-mediated developmental cell death. *bioRxiv : the preprint server for biology*.

Colgan WN, et al. (2026) Comprehensive Lineage Tracing Maps the Landscape of Cell Fate Decisions in Mouse Embryogenesis. *bioRxiv : the preprint server for biology*.

Lin L, et al. (2026) Nonsense-mediated mRNA decay orchestrates neuronal migration and cortical lamination while modulating Reelin and ciliary gene regulatory networks. *Cell reports*, 45(3), 117027.

Li Z, et al. (2026) Adaptive evolution of gene regulatory networks in mammalian neocortex. *Nature*, 653(8113), 156.

Sakers K, et al. (2026) Neuroligin-2 is ubiquitinated by Nedd4l to control developmental astrocyte morphogenesis. *The Journal of cell biology*, 225(7).

Mukherjee S, et al. (2025) A bitopic mTORC inhibitor reverses phenotypes in a tuberous sclerosis complex model. *Scientific reports*, 15(1), 20367.

Baumann N, et al. (2025) Regional differences in progenitor metabolism shape brain growth during development. *Cell*, 188(13), 3567.

Muhar MF, et al. (2025) C-terminal amides mark proteins for degradation via SCF-FBXO31. *Nature*, 638(8050), 519.

Hashizume R, et al. (2025) Trisomic rescue via allele-specific multiple chromosome cleavage using CRISPR-Cas9 in trisomy 21 cells. *PNAS nexus*, 4(2), pgaf022.

Salazar MPR, et al. (2025) Mitochondrial fission controls astrocyte morphogenesis and organization in the cortex. *bioRxiv : the preprint server for biology*.

Sakers K, et al. (2025) Neuroligin-2 is ubiquitinated by Nedd4l to control developmental astrocyte morphogenesis. *bioRxiv : the preprint server for biology*.

Hrckulak D, et al. (2025) Development of a new flippase-dependent mouse model for red fluorescence-based isolation of KRASG12D oncogene-expressing tumor cells. *Transgenic research*, 34(1), 9.

Park P, et al. (2025) Dendritic excitations govern back-propagation via a spike-rate accelerometer. *Nature communications*, 16(1), 1333.

Bernal-Garcia S, et al. (2025) A deep learning pipeline for accurate and automated restoration, segmentation, and quantification of dendritic spines. *Cell reports methods*, 5(10), 101179.

Rodriguez Salazar MP, et al. (2025) Mitochondrial fission controls astrocyte morphogenesis and organization in the cortex. *The Journal of cell biology*, 224(10).

Bar??o S, et al. (2024) BRN1/2 Function in Neocortical Size Determination and Microcephaly. *bioRxiv : the preprint server for biology*.

Sandovici I, et al. (2024) Overexpression of Igf2-derived Mir483 inhibits Igf1 expression and leads to developmental growth restriction and metabolic dysfunction in mice. *Cell reports*, 43(9), 114750.

Li J, et al. (2024) Lateral/caudal ganglionic eminence makes limited contribution to cortical oligodendrocytes. *eLife*, 13.

Virga DM, et al. (2024) Activity-dependent compartmentalization of dendritic mitochondria morphology through local regulation of fusion-fission balance in neurons in vivo. *Nature communications*, 15(1), 2142.

Osanai Y, et al. (2024) 5' Transgenes drive leaky expression of 3' transgenes in Cre-inducible bi-cistronic vectors. *Molecular therapy. Methods & clinical development*, 32(3), 101288.