

Resource Summary Report

Generated by [NIF](#) on Sep 15, 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: 20260912T091924+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 [NIF](#) .

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.