Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 15, 2025

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; 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: 20220422T222601+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 35 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

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.

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

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.

Hutchison V, et al. (2024) Inducible tricolor reporter mouse for parallel imaging of lysosomes, mitochondria, and microtubules. The Journal of cell biology, 223(1).

Anjum R, et al. (2024) Rem2 interacts with CaMKII at synapses and restricts long-term potentiation in hippocampus. bioRxiv : the preprint server for biology.

Bolondi A, et al. (2024) Reconstructing axial progenitor field dynamics in mouse stem cell-derived embryoids. Developmental cell, 59(12), 1489.

Barão S, et al. (2024) Conserved transcriptional regulation by BRN1 and BRN2 in neocortical progenitors drives mammalian neural specification and neocortical expansion. Nature communications, 15(1), 8043.

Foucault L, et al. (2024) Neonatal brain injury unravels transcriptional and signaling changes underlying the reactivation of cortical progenitors. Cell reports, 43(2), 113734.

Holmberg JC, et al. (2024) Protocol for electroporating and isolating murine (sub)ventricular zone cells for single-nuclei omics. STAR protocols, 5(2), 103095.

Adem B, et al. (2024) Exosomes define a local and systemic communication network in healthy pancreas and pancreatic ductal adenocarcinoma. Nature communications, 15(1), 1496.

Alfonsa H, et al. (2023) Intracellular chloride regulation mediates local sleep pressure in the cortex. Nature neuroscience, 26(1), 64.

Hutchison V, et al. (2023) An inducible tricolor reporter mouse for simultaneous imaging of

lysosomes, mitochondria and microtubules. bioRxiv : the preprint server for biology.

Riley VA, et al. (2023) Tsc2 coordinates neuroprogenitor differentiation. iScience, 26(12), 108442.

Yilmaz V, et al. (2023) Protocol for in vivo lineage tracing of the mouse-papillomavirus-type 1-infected cells in mice. STAR protocols, 4(1), 101994.

Moore ST, et al. (2023) Generating high-fidelity cochlear organoids from human pluripotent stem cells. Cell stem cell, 30(7), 950.

Kole K, et al. (2022) Parvalbumin basket cell myelination accumulates axonal mitochondria to internodes. Nature communications, 13(1), 7598.

Yilmaz V, et al. (2022) A novel lineage-tracing mouse model for studying early MmuPV1 infections. eLife, 11.

Rolotti SV, et al. (2022) Reorganization of CA1 dendritic dynamics by hippocampal sharp-wave ripples during learning. Neuron, 110(6), 977.

Denoth-Lippuner A, et al. (2022) Injection and electroporation of plasmid DNA into human cortical organoids. STAR protocols, 3(1), 101129.

Nørgård MØ, et al. (2022) A new transgene mouse model using an extravesicular EGFP tag enables affinity isolation of cell-specific extracellular vesicles. Scientific reports, 12(1), 496.