Resource Summary Report

Generated by FDI Lab - SciCrunch.org on May 1, 2025

pCAGEN

RRID:Addgene_11160
Type: Plasmid

Proper Citation

RRID:Addgene_11160

Plasmid Information

URL: http://www.addgene.org/11160

Proper Citation: RRID:Addgene_11160

Insert Name: modified multiple cloning sites

Bacterial Resistance: Ampicillin

Defining Citation: PMID:14603031

Vector Backbone Description: Backbone Size:4698; Vector Backbone:pCAGGS; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: The multiple cloning sites of pCAGGS was modified to make pCAGEN (pCAGGS with EcoRI, XhoI, EcoRV and NotI sites). Note that the Addgene quality control sequence and the author-supplied sequence do not match exactly, but critical features (such as the MCS restriction sites) appear to be intact. If you believe there is something functionally wrong with this plasmid, please report your concern to help@addgene.org

Plasmid Name: pCAGEN

Record Creation Time: 20220422T221543+0000

Record Last Update: 20220422T221750+0000

Ratings and Alerts

No rating or validation information has been found for pCAGEN.

No alerts have been found for pCAGEN.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 20 mentions in open access literature.

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

Kamitaki N, et al. (2024) A sequence of SVA retrotransposon insertions in ASIP shaped human pigmentation. Nature genetics, 56(8), 1583.

Jiang T, et al. (2024) Cell-autonomous action of Slit2 in radial migration of cortical projection neurons. Frontiers in molecular neuroscience, 17, 1505434.

Hartlerode AJ, et al. (2024) Reduced levels of MRE11 cause disease phenotypes distinct from ataxia telangiectasia-like disorder. Human molecular genetics, 33(18), 1605.

Sheng Y, et al. (2024) Hepatitis E virus ORF3 protein hijacking thioredoxin domain-containing protein 5 (TXNDC5) for its stability to promote viral particle release. Journal of virology, 98(4), e0164923.

Ito A, et al. (2024) Suppression of BMP signaling restores mitral cell development impaired by FGF signaling deficits in mouse olfactory bulb. Molecular and cellular neurosciences, 128, 103913.

Alvarez S, et al. (2024) Netrin1 patterns the dorsal spinal cord through modulation of Bmp signaling. Cell reports, 43(11), 114954.

Lee YH, et al. (2023) Sources of Calcium at Connexin 36 Gap Junctions in the Retina. eNeuro, 10(8).

Pärn A, et al. (2022) PCSK9 deficiency alters brain lipid composition without affecting brain development and function. Frontiers in molecular neuroscience, 15, 1084633.

Blazejewski SM, et al. (2022) Rpsa Signaling Regulates Cortical Neuronal Morphogenesis via Its Ligand, PEDF, and Plasma Membrane Interaction Partner, Itga6. Cerebral cortex (New York, N.Y. : 1991), 32(4), 770.

Xu J, et al. (2022) Intersectional mapping of multi-transmitter neurons and other cell types in the brain. Cell reports, 40(1), 111036.

Mandal P, et al. (2021) Vinculin-mediated axon growth requires interaction with actin but not talin in mouse neocortical neurons. Cellular and molecular life sciences : CMLS, 78(15),

5807.

Xuan Y, et al. (2021) Fabrication and use of silicon hollow-needle arrays to achieve tissue nanotransfection in mouse tissue in vivo. Nature protocols, 16(12), 5707.

Liang X, et al. (2021) CIB2 and CIB3 are auxiliary subunits of the mechanotransduction channel of hair cells. Neuron, 109(13), 2131.

Miyazaki T, et al. (2021) Compartmentalized Input-Output Organization of Lugaro Cells in the Cerebellar Cortex. Neuroscience, 462, 89.

Cunningham CL, et al. (2020) TMIE Defines Pore and Gating Properties of the Mechanotransduction Channel of Mammalian Cochlear Hair Cells. Neuron, 107(1), 126.

Yen ST, et al. (2020) CreLite: An optogenetically controlled Cre/loxP system using red light. Developmental dynamics : an official publication of the American Association of Anatomists, 249(11), 1394.

Chung J, et al. (2019) LDAF1 and Seipin Form a Lipid Droplet Assembly Complex. Developmental cell, 51(5), 551.

Lin S, et al. (2019) The Capsid Protein of Hepatitis E Virus Inhibits Interferon Induction via Its N-terminal Arginine-Rich Motif. Viruses, 11(11).

Pignata A, et al. (2019) A Spatiotemporal Sequence of Sensitization to Slits and Semaphorins Orchestrates Commissural Axon Navigation. Cell reports, 29(2), 347.

Cárdenas A, et al. (2018) Evolution of Cortical Neurogenesis in Amniotes Controlled by Robo Signaling Levels. Cell, 174(3), 590.