

Resource Summary Report

Generated by [NIF](#) on Aug 14, 2026

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: 20260808T080440+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

Usage and Citation Metrics

We found 100 mentions in open access literature.

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

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

Kamitaki N, et al. (2026) Human and bacterial genetic variation shape oral microbiomes and health. *Nature*, 651(8105), 429.

DeFoer MB, et al. (2025) Differential expression of a disease-associated MRE11 variant reveals distinct phenotypic outcomes. *Human molecular genetics*, 34(23), 1964.

Zeng L, et al. (2025) Transcription factor 4 regulates the interhemispheric midline remodeling through neuron-astroglia communications during corpus callosum formation. *Translational psychiatry*, 15(1), 482.

Zanetti FA, et al. (2025) On the role of VP3-PI3P interaction in birnavirus endosomal membrane targeting. *eLife*, 13.

Yamauchi K, et al. (2025) A three dimensional immunolabeling method with peroxidase-fused nanobodies and fluorochromized tyramide-glucose oxidase signal amplification. *Communications biology*, 8(1), 903.

Demler C, et al. (2025) An atypical basement membrane forms a midline barrier during left-right asymmetric gut development in the chicken embryo. *eLife*, 12.

Lopez SMM, et al. (2025) A subtype-selective photoswitchable agonist for precise manipulation of GABAA receptors. *British journal of pharmacology*, 182(16), 3870.

Zhang Z, et al. (2025) A subcellular map of translational machinery composition and regulation at the single-molecule level. *Science (New York, N.Y.)*, 387(6738), eadn2623.

Yamaguchi T, et al. (2025) Microfluidic nanobubbles produced using a micromixer for ultrasound imaging and gene delivery. *Scientific reports*, 15(1), 14871.

DeFoer MB, et al. (2025) Differential expression of a disease-associated MRE11 variant reveals distinct phenotypic outcomes. *bioRxiv : the preprint server for biology*.

Kessels S, et al. (2025) Cytoskeletal control in adult microglia is essential to restore neurodevelopmental synaptic and cognitive deficits. *Science advances*, 11(35), eadw0128.

Suzuki T, et al. (2025) DDX1 is required for non-spliceosomal splicing of tRNAs but not of XBP1 mRNA. *Communications biology*, 8(1), 92.

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.

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.

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

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.

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

Wen K, et al. (2023) Broad-spectrum humanized monoclonal neutralizing antibody against SARS-CoV-2 variants, including the Omicron variant. *Frontiers in cellular and infection microbiology*, 13, 1213806.