

Resource Summary Report

Generated by [NIF](#) on Aug 31, 2026

pCAG-ERT2CreERT2

RRID:Addgene_13777

Type: Plasmid

Proper Citation

RRID:Addgene_13777

Plasmid Information

URL: <http://www.addgene.org/13777>

Proper Citation: RRID:Addgene_13777

Insert Name: ERT2-Cre-ERT2 fusion protein

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: 4-hydroxitamoxifen-responsible Cre. Kozak consensus sequence was added before the start ATG. The insert can be cut out with EcoRI (SmaI) and NotI.

Plasmid Name: pCAG-ERT2CreERT2

Record Creation Time: 20220422T221757+0000

Record Last Update: 20260829T075612+0000

Ratings and Alerts

No rating or validation information has been found for pCAG-ERT2CreERT2.

No alerts have been found for pCAG-ERT2CreERT2.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 59 mentions in open access literature.

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

Hovhannisyan GG, et al. (2026) CellCousin2: an optimized system for partial ablation and tracing of regenerative lineages. NPJ Regenerative medicine, 11(1).

Hasegawa K, et al. (2026) Age-related decline in nuclear envelope LINC complex drives neuronal aging via axon initial segment dysfunction. EMBO reports, 27(13), 3788.

Zhou Y, et al. (2026) ERK1/2 function as a central hub safeguarding primed human embryonic stem cell identity via multifaceted regulatory networks. Cell reports, 45(7), 117675.

Dernic J, et al. (2025) Abundance-biased codon diversification prevents recombination in AAV production and ensures robust in vivo expression of functional FRET sensors. Communications biology, 8(1), 1244.

Sakai S, et al. (2025) In vivo transition in chromatin accessibility during differentiation of deep-layer excitatory neurons in the neocortex. Development (Cambridge, England), 152(13).

Parent R, et al. (2025) The Impact of Overexpression of the Mouse Ortholog of CACNA1C on Behavior and Cortical Dynamics. Biological psychiatry global open science, 5(5), 100537.

Pinglay S, et al. (2025) Multiplex generation and single-cell analysis of structural variants in mammalian genomes. Science (New York, N.Y.), 387(6733), eado5978.

Broix L, et al. (2025) m6A RNA methylation-mediated control of global APC expression is required for local translation of ??-actin and axon development. Cell reports, 44(6), 115727.

Assendorp N, et al. (2024) CTNND2 moderates the pace of synaptic maturation and links human evolution to synaptic neoteny. Cell reports, 43(10), 114797.

Pinglay S, et al. (2024) Multiplex generation and single cell analysis of structural variants in a mammalian genome. bioRxiv : the preprint server for biology.

Nishikawa M, et al. (2024) Pathophysiological significance of the p.E31G variant in RAC1 responsible for a neurodevelopmental disorder with microcephaly. Biochimica et biophysica acta. Molecular basis of disease, 1871(1), 167520.

Eerlings R, et al. (2024) Rational evolution for altering the ligand preference of estrogen receptor alpha. Protein science : a publication of the Protein Society, 33(4), e4940.

Gleichman AJ, et al. (2023) A toolbox of astrocyte-specific, serotype-independent adeno-associated viral vectors using microRNA targeting sequences. Nature communications, 14(1), 7426.

Obi-Nagata K, et al. (2023) Distorted neurocomputation by a small number of extra-large spines in psychiatric disorders. *Science advances*, 9(23), eade5973.

Dorskind JM, et al. (2023) Drebrin Regulates Collateral Axon Branching in Cortical Layer II/III Somatosensory Neurons. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 43(46), 7745.

Nguyen LH, et al. (2022) Expression of 4E-BP1 in juvenile mice alleviates mTOR-induced neuronal dysfunction and epilepsy. *Brain : a journal of neurology*, 145(4), 1310.

Riley VA, et al. (2022) Tsc2 shapes olfactory bulb granule cell molecular and morphological characteristics. *Frontiers in molecular neuroscience*, 15, 970357.

Niu M, et al. (2022) Claustrum mediates bidirectional and reversible control of stress-induced anxiety responses. *Science advances*, 8(11), eabi6375.

Toktay Y, et al. (2022) Engineering and validation of a dual luciferase reporter system for quantitative and systematic assessment of regulatory sequences in Chinese hamster ovary cells. *Scientific reports*, 12(1), 6050.

Denoth-Lippuner A, et al. (2021) Visualization of individual cell division history in complex tissues using iCOUNT. *Cell stem cell*, 28(11), 2020.