

Resource Summary Report

Generated by [RRID](#) on Aug 27, 2026

pENN.AAV.CamKII.HI.GFP-Cre.WPRE.SV40

RRID:Addgene_105551

Type: Plasmid

Proper Citation

RRID:Addgene_105551

Plasmid Information

URL: <http://www.addgene.org/105551>

Proper Citation: RRID:Addgene_105551

Insert Name: EGFP-Cre

Organism: Other

Bacterial Resistance: Ampicillin

Vector Backbone Description: Vector Backbone:pAAV; Vector Types:Mammalian Expression, AAV, Cre/Lox; Bacterial Resistance:Ampicillin

Comments: Penn Vector Core number p2521

Plasmid Name: pENN.AAV.CamKII.HI.GFP-Cre.WPRE.SV40

Record Creation Time: 20220422T221512+0000

Record Last Update: 20260815T080056+0000

Ratings and Alerts

No rating or validation information has been found for pENN.AAV.CamKII.HI.GFP-Cre.WPRE.SV40.

No alerts have been found for pENN.AAV.CamKII.HI.GFP-Cre.WPRE.SV40.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 23 mentions in open access literature.

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

Payne A, et al. (2026) NPAS4 refines spatial and temporal firing in CA1 pyramidal neurons. bioRxiv : the preprint server for biology.

Gardner W, et al. (2026) The mPFC molecular clock mediates the effects of sleep deprivation on depression-like behavior and regulates sleep consolidation and homeostasis. Molecular psychiatry, 31(3), 1530.

Keith RE, et al. (2025) Perirhinal cortex abnormalities impair hippocampal plasticity and learning in Scn2a, Fmr1, and Cdkl5 autism mouse models. Science advances, 11(10), eadt0780.

Barron JC, et al. (2025) Huntingtin reduction results in altered nuclear structure and heterochromatic instability. Human molecular genetics, 34(19), 1648.

Xie Y, et al. (2025) Activity-dependent synthesis of Emerin gates neuronal plasticity by regulating proteostasis. Cell reports, 44(4), 115439.

Turi GF, et al. (2025) Serotonin modulates infraslow oscillation in the dentate gyrus during non-REM sleep. eLife, 13.

Ramani B, et al. (2025) CRISPR screening by AAV episome-sequencing (CrAAVe-seq): a scalable cell-type-specific in vivo platform uncovers neuronal essential genes. Nature neuroscience.

Mukherjee U, et al. (2025) Histone Lysine Crotonylation Regulates Long-Term Memory Storage. bioRxiv : the preprint server for biology.

Guo R, et al. (2025) Arrestin-biased allosteric modulator of neurotensin receptor 1 alleviates acute and chronic pain. Cell, 188(16), 4332.

Dunlop SR, et al. (2025) Neuronal Primary Cilia Mediate Noggin Release to Enable Extracellular Signaling. Cells, 14(20).

Johnson-Venkatesh EM, et al. (2025) Network Activity Shapes Inhibitory Synaptic Development in the Mouse Hippocampus. The Journal of neuroscience : the official journal of the Society for Neuroscience, 45(42).

Bayazitov IT, et al. (2024) Sound-evoked adenosine release in cooperation with neuromodulatory circuits permits auditory cortical plasticity and perceptual learning. Cell reports, 43(2), 113758.

Turi GF, et al. (2024) Serotonin modulates infraslow oscillation in the dentate gyrus during Non-REM sleep. bioRxiv : the preprint server for biology.

Tiwari P, et al. (2024) Ventral hippocampal parvalbumin interneurons gate the acute anxiolytic action of the serotonergic psychedelic DOI. Neuron, 112(22), 3697.

Dubanet O, et al. (2024) Retrosplenial inputs drive visual representations in the medial entorhinal cortex. *Cell reports*, 43(7), 114470.

Sarrazin DH, et al. (2024) Prefrontal cortex molecular clock modulates development of depression-like phenotype and rapid antidepressant response in mice. *Nature communications*, 15(1), 7257.

Joshi S, et al. (2023) Limbic progesterone receptors regulate spatial memory. *Scientific reports*, 13(1), 2164.

Alhassen W, et al. (2023) Cilia in the Striatum Mediate Timing-Dependent Functions. *Molecular neurobiology*, 60(2), 545.

Guo Y, et al. (2023) Elevated levels of FMRP-target MAP1B impair human and mouse neuronal development and mouse social behaviors via autophagy pathway. *Nature communications*, 14(1), 3801.

Yoneda T, et al. (2023) Experience-dependent functional plasticity and visual response selectivity of surviving subplate neurons in the mouse visual cortex. *Proceedings of the National Academy of Sciences of the United States of America*, 120(9), e2217011120.