

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.