Resource Summary Report

Generated by NIF on Jul 30, 2026

pENN.AAV.CamKII 0.4.Cre.SV40

RRID:Addgene_105558
Type: Plasmid

Proper Citation

RRID:Addgene_105558

Plasmid Information

URL: http://www.addgene.org/105558

Proper Citation: RRID:Addgene_105558

Insert Name: 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 p2396

Plasmid Name: pENN.AAV.CamKII 0.4.Cre.SV40

Record Creation Time: 20220422T221512+0000

Record Last Update: 20260725T073417+0000

Ratings and Alerts

No rating or validation information has been found for pENN.AAV.CamKII 0.4.Cre.SV40.

No alerts have been found for pENN.AAV.CamKII 0.4.Cre.SV40.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 77 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF .

Iqbal J, et al. (2026) A prelimbic molecular clock of protein synthesis for memory persistence. bioRxiv : the preprint server for biology.

Kobayashi-Sakashita M, et al. (2026) Alarm pheromone activates posterior medial amygdala-to-bed nucleus of the stria terminalis projections in male rats. Neuroscience, 593, 78.

Srinivasan S, et al. (2025) Transient reactivation of small ensembles of adult-born neurons during REM sleep supports memory consolidation in mice. Nature communications, 16(1), 7210.

Bennett A, et al. (2025) The Role of Paraventricular Nucleus of Thalamus in Sleep Disturbance Induced by Withdrawal from Repeated Ethanol Exposure. bioRxiv : the preprint server for biology.

Xie M, et al. (2025) Rod-shaped microglia interact with neuronal dendrites to attenuate cortical excitability during TDP-43-related neurodegeneration. Immunity.

Willems TS, et al. (2025) GluA1-containing AMPA receptors are necessary for sparse memory engram formation. Neurobiology of learning and memory, 218, 108031.

Vega-Zuniga T, et al. (2025) A thalamic hub-and-spoke network enables visual perception during action by coordinating visuomotor dynamics. Nature neuroscience, 28(3), 627.

Wolcott NS, et al. (2025) The estrous cycle modulates hippocampal spine dynamics, dendritic processing, and spatial coding. Neuron, 113(14), 2297.

Liu B, et al. (2025) Ex vivo cortical circuits learn to predict and spontaneously replay temporal patterns. Nature communications, 16(1), 3179.

Yoshida E, et al. (2025) Whether or not to act is determined by distinct signals from motor thalamus and orbitofrontal cortex to secondary motor cortex. Nature communications, 16(1), 3106.

Brandalise F, et al. (2025) Thalamocortical feedback selectively controls pyramidal neuron excitability. Nature communications, 16(1), 5663.

Zhang Z, et al. (2025) A real-time all-optical interface for dynamic perturbation of neural activity during behavior. Cell reports methods, 5(10), 101180.

Chen EL, et al. (2025) Synchronous ensembles of hippocampal CA1 pyramidal neurons during novel exploration. eLife, 13.

Hammo A, et al. (2025) Single-dose psilocybin rapidly and sustainably relieves allodynia and anxiodepressive-like behaviors in mouse models of chronic pain. Nature neuroscience, 28(11), 2285.

Cichon J, et al. (2025) Nitrous oxide activates layer 5 prefrontal neurons via SK2 channel inhibition for antidepressant effect. Nature communications, 16(1), 2999.

Tsimring K, et al. (2025) Large-scale synaptic dynamics drive the reconstruction of binocular circuits in mouse visual cortex. Nature communications, 16(1), 5810.

Wisser S, et al. (2025) Rapid neonatal AAV delivery for adult cortical two-photon imaging of genetically encoded sensors. iScience, 28(11), 113898.

Sehgal M, et al. (2025) Compartmentalized dendritic plasticity in the mouse retrosplenial cortex links contextual memories formed close in time. Nature neuroscience, 28(3), 602.

Maga??a I, et al. (2025) A Novel Cell-Type Specific Circadian Reporter Mouse Reveals Self-Sustained Food Entrainable Nature in Enteric Neurons. bioRxiv : the preprint server for biology.

Zheng XM, et al. (2025) Vocal repertoire expansion in singing mice by co-opting a conserved midbrain circuit node. Current biology : CB, 35(23), 5762.