

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 24, 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: 20260815T080053+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 94 mentions in open access literature.

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

Wang X, et al. (2026) Astrocytic glucose metabolism regulates the survival of newborn hippocampal neurons in the adult brain. *Neuron*.

Bartas K, et al. (2026) Drug-induced changes in connectivity to midbrain dopamine cells revealed by rabies monosynaptic tracing. *eLife*, 13.

Tsokas P, et al. (2026) PKM θ -PKC δ double-knockout demonstrates atypical PKC is crucial for the persistence of hippocampal LTP and spatial memory. *eLife*, 15.

Sun Y, et al. (2026) Transsynaptic tracing techniques to interrogate neuronal connectivity of glioblastomas. *Nature protocols*, 21(6), 2635.

Land MA, et al. (2026) Designer indicators for two-photon recording of subthreshold voltage dynamics. *Nature methods*, 23(5), 986.

Adank DN, et al. (2026) Insular Somatostatin Interneurons Are Targeted by Motor Cortex Efferents and Modulate Affective States. *Biological psychiatry global open science*, 6(4), 100728.

Lee S, et al. (2026) Improving positively tuned voltage indicators for faster kinetics and higher contrast. *bioRxiv : the preprint server for biology*.

Land M, et al. (2026) Designer indicators for two-photon recording of subthreshold voltage dynamics. *bioRxiv : the preprint server for biology*.

Godale CM, et al. (2026) Cell-Intrinsic Regulation of Epilepsy-Associated Pathology by mTORC1 and mTORC2. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 46(17).

Munguba H, et al. (2026) Mechanism-guided identification of antidepressant G protein-coupled receptor drug targets. *Cell*, 189(9), 2612.

Fernández-Peña C, et al. (2026) Autonomic C1 neurons promote anxiety via activation of vIPAG. *Neuron*.

McDonald AJ, et al. (2026) A versatile, positive-going voltage indicator that enables accessible two-photon recordings in vivo. *bioRxiv : the preprint server for biology*.

Locarno A, et al. (2026) Endocannabinoid modulation of a reciprocal fronto-coerulear connection in contextual discrimination. *Cell reports*, 45(4), 117141.

Jenks KR, et al. (2026) Functional organization of dendritic spines in mouse visual cortex layer 2/3 neurons. *iScience*, 29(6), 115861.

Aldahabi M, et al. (2026) Selective, genetically induced increase in synaptic vesicle priming. *Science advances*, 12(15), eaee6848.

Gershon Z, et al. (2026) Genetic mapping identifies Homer1 as a developmental modifier of attention. *Nature neuroscience*, 29(3), 647.

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.

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

Adsit LM, et al. (2026) Functional and structural characterization of dendritic spine pathology in a mouse model of tauopathy. *bioRxiv : the preprint server for biology*.

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.