

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 9, 2026

pENN.AAV.CamKII0.4.eGFP.WPRE.rBG

RRID:Addgene_105541

Type: Plasmid

Proper Citation

RRID:Addgene_105541

Plasmid Information

URL: <http://www.addgene.org/105541>

Proper Citation: RRID:Addgene_105541

Insert Name: EGFP

Organism: Other

Bacterial Resistance: Ampicillin

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

Comments: Penn Vector Core number (1917

Plasmid Name: pENN.AAV.CamKII0.4.eGFP.WPRE.rBG

Record Creation Time: 20220422T221512+0000

Record Last Update: 20260808T080342+0000

Ratings and Alerts

No rating or validation information has been found for pENN.AAV.CamKII0.4.eGFP.WPRE.rBG.

No alerts have been found for pENN.AAV.CamKII0.4.eGFP.WPRE.rBG.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 16 mentions in open access literature.

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

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).

Singh S, et al. (2026) Lumbar spinal Shox2 interneurons receive monosynaptic excitatory input from the lateral paragigantocellular nucleus in mouse. iScience, 29(2), 114567.

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

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

Teng S, et al. (2024) Expression of GCaMP6s in the dentate gyrus induces tonic-clonic seizures. Scientific reports, 14(1), 8104.

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

Ong RCS, et al. (2024) Non-severe thermal burn injuries induce long-lasting downregulation of gene expression in cortical excitatory neurons and microglia. Frontiers in molecular neuroscience, 17, 1368905.

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

Zhao J, et al. (2023) PD-L1/PD-1 checkpoint pathway regulates hippocampal neuronal excitability and learning and memory behavior. Neuron, 111(17), 2709.

Haggerty DL, et al. (2022) The role of anterior insular cortex inputs to dorsolateral striatum in binge alcohol drinking. eLife, 11.

Lawler AJ, et al. (2022) Machine learning sequence prioritization for cell type-specific enhancer design. eLife, 11.

Zhang F, et al. (2022) Secretin receptor deletion in the subfornical organ attenuates the activation of excitatory neurons under dehydration. Current biology : CB, 32(22), 4832.

Godale CM, et al. (2022) Impact of Raptor and Rictor Deletion on Hippocampal Pathology Following Status Epilepticus. Journal of molecular neuroscience : MN, 72(6), 1243.

Salvati KA, et al. (2022) AMPK-mediated potentiation of GABAergic signalling drives hypoglycaemia-provoked spike-wave seizures. Brain : a journal of neurology, 145(7), 2332.

Obata Y, et al. (2020) Neuronal programming by microbiota regulates intestinal physiology. Nature, 578(7794), 284.

Chokshi V, et al. (2019) Input-Specific Metaplasticity in the Visual Cortex Requires Homer1a-Mediated mGluR5 Signaling. *Neuron*, 104(4), 736.