

Resource Summary Report

Generated by [NIF](#) on Sep 2, 2026

pAAV-CaMKIIa-mCherry

RRID:Addgene_114469

Type: Plasmid

Proper Citation

RRID:Addgene_114469

Plasmid Information

URL: <http://www.addgene.org/114469>

Proper Citation: RRID:Addgene_114469

Insert Name: mCherry

Organism: Other

Bacterial Resistance: Ampicillin

Vector Backbone Description: Backbone Marker:Stratagene; Backbone Size:5372;
Vector Backbone:AAV; Vector Types:AAV; Bacterial Resistance:Ampicillin

Plasmid Name: pAAV-CaMKIIa-mCherry

Record Creation Time: 20220422T221600+0000

Record Last Update: 20260902T041306+0000

Ratings and Alerts

No rating or validation information has been found for pAAV-CaMKIIa-mCherry.

No alerts have been found for pAAV-CaMKIIa-mCherry.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 47 mentions in open access literature.

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

Canela M, et al. (2026) Dentate gyrus and CA3 activity mediates light-tone second-order conditioning expression in mice. *iScience*, 29(4), 115522.

Fink R, et al. (2026) PinkyCaMP: an mScarlet-based calcium sensor with enhanced brightness, photostability and multiplexing capabilities. *Nature methods*, 23(5), 998.

Francis-Oliveira J, et al. (2026) Adolescent social isolation creates a latent vulnerability in maternal care with intergenerational social consequences, rescued by experienced mothers. *bioRxiv : the preprint server for biology*.

Qi T, et al. (2026) Top-down regulation of ingestive behavior fragmentation. *bioRxiv : the preprint server for biology*.

Chintalacheruvu N, et al. (2026) The anterior cingulate cortex modulates pupil-linked arousal. *Science advances*, 12(19), eadv5652.

Madeira N, et al. (2025) Thalamic input to the lateral amygdala determines the temporal window of fear-memory association. *Communications biology*, 8(1), 873.

Girotti M, et al. (2025) Involvement of a stress-responsive orbito-striatal projection in impulsive action in male rats. *The international journal of neuropsychopharmacology*, 28(7).

Martínez-Rojas B, et al. (2025) Stimulation of corticospinal neurons by optogenetic cAMP inductions promotes motor recovery after spinal cord injury in female rats via raphespinal tract modulation. *Nature communications*, 16(1), 5885.

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

Li Z, et al. (2025) Computational modeling reveals cognitive processes in simple rodent depression tests. *Cell reports methods*, 5(12), 101246.

Smith JB, et al. (2025) Neuroanatomical Mapping of Gerbil Corticostriatal and Thalamostriatal Projections Reveals the Parafascicular Nucleus as a Relay for Vestibular Information to the Entire Striatum. *eNeuro*, 12(3).

Adjei MP, et al. (2025) Familiarity Gates Socially Transmitted Aggression via the Medial Amygdala. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 45(39).

Alberquilla S, et al. (2025) Astrocytes Mediate Psychostimulant-Induced Alterations of Spike-Timing Dependent Synaptic Plasticity. *Glia*, 73(5), 1051.

Fink R, et al. (2025) PinkyCaMP a mScarlet-based calcium sensor with exceptional brightness, photostability, and multiplexing capabilities. *bioRxiv : the preprint server for biology*.

Kang M, et al. (2025) Grin2b-mutant mice exhibit heightened remote fear via suppressed extinction and chronic amygdalar synaptic and neuronal dysfunction. *Science advances*, 11(38), eadr7691.

Tetzlaff SK, et al. (2024) Characterizing and targeting glioblastoma neuron-tumor networks with retrograde tracing. *Cell*.

Liang D, et al. (2024) Multiple Posterior Insula Projections to the Brainstem Descending Pain Modulatory System. *International journal of molecular sciences*, 25(17).

Jeong M, et al. (2024) Comparative Anatomy of the Dentate Mossy Cells in Nonhuman Primates: Their Spatial Distributions and Axonal Projections Compared With Mouse Mossy Cells. *eNeuro*, 11(5).

Banks E, et al. (2024) An enhancer-AAV approach selectively targeting dentate granule cells of the mouse hippocampus. *Cell reports methods*, 4(1), 100684.

Chintalacheruvu N, et al. (2024) A cortical locus for modulation of arousal states. *bioRxiv* : the preprint server for biology.