

Resource Summary Report

Generated by [dkNET](#) on Aug 19, 2026

pAAV-Syn-ChrimsonR-tdT

RRID:Addgene_59171

Type: Plasmid

Proper Citation

RRID:Addgene_59171

Plasmid Information

URL: <http://www.addgene.org/59171>

Proper Citation: RRID:Addgene_59171

Insert Name: ChrimsonR-tdTomato

Organism: Chlamydomonas noctigama

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:24509633](#)

Vector Backbone Description: Backbone Size:4368; Vector Backbone:AAV; Vector Types:Mammalian Expression, AAV; Bacterial Resistance:Ampicillin

Comments: Plasmid is completely sequenced by the depositing lab except for part of the 3' ITR.

Plasmid Name: pAAV-Syn-ChrimsonR-tdT

Record Creation Time: 20220422T222341+0000

Record Last Update: 20260815T081721+0000

Ratings and Alerts

No rating or validation information has been found for pAAV-Syn-ChrimsonR-tdT.

No alerts have been found for pAAV-Syn-ChrimsonR-tdT.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 53 mentions in open access literature.

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

Jeong M, et al. (2026) Distinct interneuronal dynamics selectively gate target-specific cortical projections in drug seeking. *Neuron*, 114(10), 1800.

de Sousa AF, et al. (2026) The prefrontal cortex controls memory organization in the hippocampus. *Nature neuroscience*, 29(5), 1191.

Kim CS, et al. (2026) Pyramidal-cell-specific hemispheric asymmetry shapes dorsoventral CA1 dynamics during rest and exploratory behavior. *bioRxiv : the preprint server for biology*.

Rosen PC, et al. (2026) Inorganic phosphate and the rapid mobilization of metabolic energy in neurons. *Proceedings of the National Academy of Sciences of the United States of America*, 123(13), e2602529123.

Bassi CD, et al. (2026) Selective filtering of relevant sensory signals in parietal cortex. *Research square*.

Uribe-Cano S, et al. (2026) The GPCR Smoothed on cholinergic interneurons modulates dopamine-associated acetylcholine dynamics, learning, and effort management. *iScience*, 29(5), 115324.

Macdonald EE, et al. (2026) A synaptic mechanism for encoding the learned value of action-derived safety. *Nature communications*, 17(1).

Romano V, et al. (2025) Stage-dependent cerebrocerebellar communication during sensorimotor processing. *Nature communications*, 16(1), 8812.

Ahmadlou M, et al. (2025) A subcortical switchboard for perseverative, exploratory and disengaged states. *Nature*, 641(8061), 151.

Whitley JB, et al. (2025) GABAergic Projections from the Pretectum Boost Retinogeniculate Signal Transfer via Disinhibition. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 45(22).

Corbit VL, et al. (2025) Dissociable roles of central striatum and anterior lateral motor area in initiating and sustaining naturalistic behavior. *Cell reports*, 44(1), 115181.

Mochizuki Y, et al. (2025) Distinct neural responses of ventromedial prefrontal cortex-projecting nucleus reuniens neurons during aversive memory extinction. *Molecular brain*, 18(1), 18.

Goldbach HC, et al. (2025) Cholinergic-dependent dopamine signals in mouse dorsal striatum are regulated by frontal but not sensory cortices. *bioRxiv : the preprint server for biology*.

Masterson SP, et al. (2025) Cell-type specific binocular interactions in mouse visual thalamus. *iScience*, 28(7), 112956.

B??ldi R, et al. (2025) Synaptic organization and associative learning-related activity of basolateral amygdala interneurons. *Cell reports*, 44(10), 116295.

Kwan WC, et al. (2025) Hybrid optogenetic and electrical stimulation of retinal ganglion cells for artificial vision. *Brain stimulation*, 19(1), 103012.

Wu Y, et al. (2025) Presynaptic Mu Opioid Receptors Suppress the Functional Connectivity of Ventral Tegmental Area Dopaminergic Neurons with Aversion-Related Brain Regions. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 45(28).

Richevaux L, et al. (2025) Projection-specific integration of convergent thalamic and retrosplenial signals in the presubicular head direction cortex. *eLife*, 12.

Poisson CL, et al. (2025) Superior colliculus projections drive dopamine neuron activity and movement but not value. *bioRxiv : the preprint server for biology*.

Wang R, et al. (2025) Ultrastructural analysis of synapses after induction of spike-timing-dependent plasticity. *Cell reports methods*, 5(9), 101142.