Resource Summary Report

Generated by RRID on Aug 21, 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 RRID .

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 Smoothened 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.