

Resource Summary Report

Generated by [RRID](#) on Aug 24, 2026

[AAV.rTH.PI.Cre.SV40](#)

RRID:Addgene_107788

Type: Plasmid

Proper Citation

RRID:Addgene_107788

Plasmid Information

URL: <http://www.addgene.org/107788>

Proper Citation: RRID:Addgene_107788

Insert Name: Cre

Organism: Other

Bacterial Resistance: Ampicillin

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

Comments: AV-9-PV2394 From University of Pennsylvania Vector Core

Plasmid Name: AAV.rTH.PI.Cre.SV40

Record Creation Time: 20220422T221523+0000

Record Last Update: 20260815T080113+0000

Ratings and Alerts

No rating or validation information has been found for AAV.rTH.PI.Cre.SV40.

No alerts have been found for AAV.rTH.PI.Cre.SV40.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 17 mentions in open access literature.

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

Li M, et al. (2026) Activation by Alcohol of Prefrontal Layer 5 Pyramidal Neurons Depends on Ascending Dopaminergic Input. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 46(20).

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

Luján MÁ, et al. (2026) Midbrain endocannabinoids actuate dopamine-based action selection. *Cell reports*, 45(5), 117298.

Choi YJ, et al. (2026) Motor learning and dopamine-dependent striatal synaptic plasticity are controlled by astrocytic MEGF10. *Nature communications*, 17(1).

Ghia I, et al. (2026) Adeno-associated viral-based strategy for morphological and functional dissection of olfactory dopaminergic neurons. *Neuroscience*, 603, 105.

O'Chan JC, et al. (2026) Dopamine drives persistent remodelling of the maternal brain. *Nature*, 654(8118), 465.

Barbier M, et al. (2025) Altered Neural Activity in the Mesoaccumbens Pathway Underlies Impaired Social Reward Processing in Shank3-Deficient Rats. *Advanced science (Weinheim, Baden-Wurtemberg, Germany)*, 12(17), e2414813.

Berger JM, et al. (2025) Unveiling Dopamine and Met-Enkephalin Dynamics: Simultaneous Co-Detection in Rat Striatum. *Analytical chemistry*, 97(45), 25032.

Jiang C, et al. (2024) Targeting mitochondrial dynamics of morphine-responsive dopaminergic neurons ameliorates opiate withdrawal. *The Journal of clinical investigation*, 134(5).

Kutlu MG, et al. (2023) Dopamine release at the time of a predicted aversive outcome causally controls the trajectory and expression of conditioned behavior. *Cell reports*, 42(8), 112948.

Gao N, et al. (2023) Deficiency of Cullin 3, a Protein Encoded by a Schizophrenia and Autism Risk Gene, Impairs Behaviors by Enhancing the Excitability of Ventral Tegmental Area (VTA) DA Neurons. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 43(36), 6249.

Fox SN, et al. (2022) Estrogen-related receptor gamma regulates mitochondrial and synaptic genes and modulates vulnerability to synucleinopathy. *NPJ Parkinson's disease*, 8(1), 106.

Kim YJ, et al. (2021) An autophagy-related protein Becn2 regulates cocaine reward behaviors in the dopaminergic system. *Science advances*, 7(8).

Kutlu MG, et al. (2021) Dopamine release in the nucleus accumbens core signals perceived saliency. *Current biology : CB*, 31(21), 4748.

Vandegrift BJ, et al. (2020) Estrogen Receptor α Regulates Ethanol Excitation of Ventral Tegmental Area Neurons and Binge Drinking in Female Mice. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 40(27), 5196.

Robinson JE, et al. (2019) Optical dopamine monitoring with dLight1 reveals mesolimbic phenotypes in a mouse model of neurofibromatosis type 1. *eLife*, 8.

Parker KE, et al. (2019) A Paraventricular VTA Nociceptin Circuit that Constrains Motivation for Reward. *Cell*, 178(3), 653.