

Resource Summary Report

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

pAAV-CAG-tdTomato (codon diversified)

RRID:Addgene_59462

Type: Plasmid

Proper Citation

RRID:Addgene_59462

Plasmid Information

URL: <http://www.addgene.org/59462>

Proper Citation: RRID:Addgene_59462

Insert Name: tdTomato

Organism: Synthetic

Bacterial Resistance: Ampicillin

Vector Backbone Description: Backbone Marker:Scott Sternson; Backbone Size:4719; Vector Backbone:AAV with CAG promoter; Vector Types:Mammalian Expression, AAV; Bacterial Resistance:Ampicillin

Comments: Plasmid is completely sequenced by depositing lab except for parts of both ITRs and a part of the CAG promoter. Multiple digestions were done to verify the vector structure. The construct and the virus were both tested in vitro.

Plasmid Name: pAAV-CAG-tdTomato (codon diversified)

Relevant Mutation: codon diversified

Record Creation Time: 20220422T222342+0000

Record Last Update: 20260815T081723+0000

Ratings and Alerts

No rating or validation information has been found for pAAV-CAG-tdTomato (codon diversified).

No alerts have been found for pAAV-CAG-tdTomato (codon diversified).

Data and Source Information

Usage and Citation Metrics

We found 145 mentions in open access literature.

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

Tam HT, et al. (2026) Hyperinnervation inhibits organ-level regeneration in mammalian skin. *Cell*, 189(11), 3270.

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

Adank DN, et al. (2026) Insular Somatostatin Interneurons Are Targeted by Motor Cortex Efferents and Modulate Affective States. *Biological psychiatry global open science*, 6(4), 100728.

Chauhan M, et al. (2026) Targeting of Itch by clomipramine or gene therapy improves cognitive defects related to Alzheimer's disease. *iScience*, 29(4), 115181.

Ishikawa KI, et al. (2026) Suppression of ATM kinase signaling accelerates cellular senescence. *Stem cell reports*, 21(7), 102956.

Paundralingga OT, et al. (2026) Optogenetic stimulation of the median preoptic nucleus: Effects on hypothalamic paraventricular nucleus magnocellular neurons after chronic intermittent hypoxia exposure. *Journal of neuroendocrinology*, 38(1), e70100.

Livrizzi G, et al. (2026) Top-down control of the descending pain modulatory system drives multimodal placebo analgesia. *Neuron*.

Kim H, et al. (2026) POINTseq: Cell-type-specific barcoding reveals single-cell projection architecture of the mouse dopaminergic system. *Neuron*.

Kim H, et al. (2026) Cell type-specific barcoding reveals the single-neuron projectional architecture of the mouse midbrain dopaminergic system. *bioRxiv : the preprint server for biology*.

Mendoza JM, et al. (2026) Corticotropin releasing hormone-expressing inputs to the thalamic paraventricular nucleus: pathways from mother to memory? *Neurobiology of stress*, 41, 100794.

Richevaux L, et al. (2026) Circuit organization of the forelimb-related M2-to-M1 corticocortical pathway in the mouse. *bioRxiv : the preprint server for biology*.

Inagaki S, et al. (2026) Isotonic and minimally invasive optical clearing media for live cell imaging ex vivo and in vivo. *Nature methods*, 23(4), 839.

Pottorf TS, et al. (2026) Dual Role of Microglial TREM2 in Neuronal Degeneration and Regeneration After Axotomy. *bioRxiv : the preprint server for biology*.

Zhu X, et al. (2026) Synaptic plasticity of prefrontal long-range inhibition regulates cognitive flexibility. *Neuron*.

Xu QJ, et al. (2026) The intrinsic cardiac nervous system is essential for cardiac function and survival. *Cell*.

Terceiro AF, et al. (2025) Intersectin1/cdc42 signaling regulates methamphetamine-induced neuronal remodeling in the hippocampus. *Cellular and molecular life sciences : CMLS*, 82(1), 387.

Zhang Y, et al. (2025) A Spinal Circuit for Modular Gating of Organ Somatosensation. *bioRxiv : the preprint server for biology*.

Brandalise F, et al. (2025) Thalamocortical feedback selectively controls pyramidal neuron excitability. *Nature communications*, 16(1), 5663.

Ribeiro Gomes AR, et al. (2025) Targeted gene transfer into developmentally defined cell populations of the primate brain. *Cell reports*, 45(1), 116756.

Liu Y, et al. (2025) Co-Conservation of synaptic gene expression and circuitry in collicular neurons. *Nature communications*, 16(1), 9146.