

Resource Summary Report

Generated by [dkNET](#) 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 [dkNET](#) .

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

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

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.

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

In??cio AR, et al. (2025) Brain-wide presynaptic networks of functionally distinct cortical neurons. *Nature*, 641(8061), 162.

Morales AC, et al. (2025) Labeling phrenic afferents with intrapleural AAV-PHP.S. *Journal of neuroscience methods*, 419, 110466.

Cryan CE, et al. (2025) Bmal1 Modulates Striatal cAMP Signaling and Motor Learning. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 45(28).