

Resource Summary Report

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

pAAV-Syn-Chronos-tdTomato

RRID:Addgene_62726

Type: Plasmid

Proper Citation

RRID:Addgene_62726

Plasmid Information

URL: <http://www.addgene.org/62726>

Proper Citation: RRID:Addgene_62726

Insert Name: Chronos-tdTomato

Organism: Stigeoclonium helveticum

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:24509633](#)

Vector Backbone Description: Backbone Marker:original from Stratagene; Backbone Size:4368; Vector Backbone:AAV-Syn; Vector Types:Mammalian Expression, AAV; Bacterial Resistance:Ampicillin

Comments: The plasmid is fully sequenced in the coding sequence regions (opsin-fluorophore and important flanking regions). Multiple digestions were done to verify the vector structure. The construct and the virus were both tested in vitro.

Plasmid Name: pAAV-Syn-Chronos-tdTomato

Record Creation Time: 20220422T222359+0000

Record Last Update: 20260815T081755+0000

Ratings and Alerts

No rating or validation information has been found for pAAV-Syn-Chronos-tdTomato.

No alerts have been found for pAAV-Syn-Chronos-tdTomato.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Warwick RA, et al. (2024) Top-down modulation of the retinal code via histaminergic neurons of the hypothalamus. *Science advances*, 10(35), eadk4062.

Minge D, et al. (2021) Heterogeneity and Development of Fine Astrocyte Morphology Captured by Diffraction-Limited Microscopy. *Frontiers in cellular neuroscience*, 15, 669280.

Antinucci P, et al. (2020) A calibrated optogenetic toolbox of stable zebrafish opsin lines. *eLife*, 9.

Antinucci P, et al. (2019) Pretectal neurons control hunting behaviour. *eLife*, 8.

Tanimura A, et al. (2019) Cholinergic Interneurons Amplify Thalamostriatal Excitation of Striatal Indirect Pathway Neurons in Parkinson's Disease Models. *Neuron*, 101(3), 444.

Galtieri DJ, et al. (2017) Pedunculopontine glutamatergic neurons control spike patterning in substantia nigra dopaminergic neurons. *eLife*, 6.

Hass CA, et al. (2016) High-fidelity optical excitation of cortico-cortical projections at physiological frequencies. *Journal of neurophysiology*, 116(5), 2056.