

Resource Summary Report

Generated by [dkNET](#) on Aug 1, 2026

pACAGW-oChiEFtdTomato-AAV

RRID:Addgene_32846

Type: Plasmid

Proper Citation

RRID:Addgene_32846

Plasmid Information

URL: <http://www.addgene.org/32846>

Proper Citation: RRID:Addgene_32846

Insert Name: oChiEF

Organism: Chlamydomonas reinhardtii

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:23029198](#)

Vector Backbone Description: Backbone Marker:Addgene plasmid 20071; Backbone Size:4885; Vector Backbone:pACAGW-ChR2-Venus-AAV; Vector Types:AAV; Bacterial Resistance:Ampicillin

Comments: Please note this plasmid has a I170V in channelopsin 1. The changed amino acid improves the protein's function.

Plasmid Name: pACAGW-oChiEFtdTomato-AAV

Record Creation Time: 20220422T222142+0000

Record Last Update: 20260801T081145+0000

Ratings and Alerts

No rating or validation information has been found for pACAGW-oChiEFtdTomato-AAV.

No alerts have been found for pACAGW-oChiEFtdTomato-AAV.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Koba S, et al. (2022) A brainstem monosynaptic excitatory pathway that drives locomotor activities and sympathetic cardiovascular responses. Nature communications, 13(1), 5079.

Fukushima A, et al. (2022) An oxytocinergic neural pathway that stimulates thermogenic and cardiac sympathetic outflow. Cell reports, 40(12), 111380.

Bouhours B, et al. (2017) Synaptotagmin2 (Syt2) Drives Fast Release Redundantly with Syt1 at the Output Synapses of Parvalbumin-Expressing Inhibitory Neurons. The Journal of neuroscience : the official journal of the Society for Neuroscience, 37(17), 4604.