

Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 30, 2026

pAAV-CaMKIIa-C1V1 (t/t)-TS-EYFP

RRID:Addgene_35499

Type: Plasmid

Proper Citation

RRID:Addgene_35499

Plasmid Information

URL: <http://www.addgene.org/35499>

Proper Citation: RRID:Addgene_35499

Insert Name: ChR1-VChR1 Chimera

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:21796121](#)

Vector Backbone Description: Backbone Size:5385; Vector Backbone:pAAV; Vector Types:Mammalian Expression, AAV; Bacterial Resistance:Ampicillin

Comments:

Plasmid Name: pAAV-CaMKIIa-C1V1 (t/t)-TS-EYFP

Relevant Mutation: E122T and E162T

Record Creation Time: 20220422T222151+0000

Record Last Update: 20260829T080423+0000

Ratings and Alerts

No rating or validation information has been found for pAAV-CaMKIIa-C1V1 (t/t)-TS-EYFP.

No alerts have been found for pAAV-CaMKIIa-C1V1 (t/t)-TS-EYFP.

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 [PRECISE-TBI](#) .

Li HT, et al. (2024) Transient targeting of hypothalamic orexin neurons alleviates seizures in a mouse model of epilepsy. Nature communications, 15(1), 1249.

Schwock F, et al. (2024) Inferring Neural Communication Dynamics from Field Potentials Using Graph Diffusion Autoregression. bioRxiv : the preprint server for biology.

Bloch J, et al. (2022) Network structure mediates functional reorganization induced by optogenetic stimulation of non-human primate sensorimotor cortex. iScience, 25(5), 104285.

Ling T, et al. (2020) High-speed interferometric imaging reveals dynamics of neuronal deformation during the action potential. Proceedings of the National Academy of Sciences of the United States of America, 117(19), 10278.

Albers F, et al. (2019) Functional MRI Readouts From BOLD and Diffusion Measurements Differentially Respond to Optogenetic Activation and Tissue Heating. Frontiers in neuroscience, 13, 1104.

Yazdan-Shahmorad A, et al. (2018) Targeted cortical reorganization using optogenetics in non-human primates. eLife, 7.

Hooks BM, et al. (2015) Dual-channel circuit mapping reveals sensorimotor convergence in the primary motor cortex. The Journal of neuroscience : the official journal of the Society for Neuroscience, 35(10), 4418.