

Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 21, 2026

AAV-oChIEF-tdTomato

RRID:Addgene_50977

Type: Plasmid

Proper Citation

RRID:Addgene_50977

Plasmid Information

URL: <http://www.addgene.org/50977>

Proper Citation: RRID:Addgene_50977

Insert Name: ChIEF-tdTomato

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:19254539](#)

Vector Backbone Description: Backbone Size:4599; Vector Backbone:AAV2; Vector Types:AAV; Bacterial Resistance:Ampicillin

Plasmid Name: AAV-oChIEF-tdTomato

Relevant Mutation: ChIEF gene is mammalian codon optimized

Record Creation Time: 20220422T222301+0000

Record Last Update: 20260815T081613+0000

Ratings and Alerts

No rating or validation information has been found for AAV-oChIEF-tdTomato.

No alerts have been found for AAV-oChIEF-tdTomato.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 8 mentions in open access literature.

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

Abdou K, et al. (2024) Prefrontal coding of learned and inferred knowledge during REM and NREM sleep. Nature communications, 15(1), 4566.

Park J, et al. (2023) Chemogenetic regulation of the TARP-lipid interaction mimics LTP and reversibly modifies behavior. Cell reports, 42(8), 112826.

Watkins de Jong L, et al. (2023) Optogenetics reveals paradoxical network stabilizations in hippocampal CA1 and CA3. Current biology : CB, 33(9), 1689.

Zhang Y, et al. (2022) Targeting thalamic circuits rescues motor and mood deficits in PD mice. Nature, 607(7918), 321.

Goswamee P, et al. (2022) Effects of subanesthetic ketamine and (2R,6R) hydroxynorketamine on working memory and synaptic transmission in the nucleus reuniens in mice. Neuropharmacology, 208, 108965.

Jeong Y, et al. (2021) Synaptic plasticity-dependent competition rule influences memory formation. Nature communications, 12(1), 3915.

Goswamee P, et al. (2021) Nucleus Reuniens Afferents in Hippocampus Modulate CA1 Network Function via Monosynaptic Excitation and Polysynaptic Inhibition. Frontiers in cellular neuroscience, 15, 660897.

Huang TN, et al. (2019) Interhemispheric Connectivity Potentiates the Basolateral Amygdalae and Regulates Social Interaction and Memory. Cell reports, 29(1), 34.