

Resource Summary Report

Generated by [PRECISE-TBI](#) on Jul 29, 2026

pAAV hSyn1 ChR2 ET-TC 2A tDimer

RRID:Addgene_101361

Type: Plasmid

Proper Citation

RRID:Addgene_101361

Plasmid Information

URL: <http://www.addgene.org/101361>

Proper Citation: RRID:Addgene_101361

Insert Name: Channelrhodopsin-2

Organism: Chlamydomonas

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:21504945](#)

Vector Backbone Description: Backbone Marker:Stratagene; Backbone Size:4606; Vector Backbone:pAAV; Vector Types:Mammalian Expression, AAV; Bacterial Resistance:Ampicillin

Comments: ChR originally from P.Hegemann, HU-Berlin Germany tDimer originally from R-Tsien USD USA

Plasmid Name: pAAV hSyn1 ChR2 ET-TC 2A tDimer

Relevant Mutation: E123T , T159C

Record Creation Time: 20220422T221453+0000

Record Last Update: 20260725T073343+0000

Ratings and Alerts

No rating or validation information has been found for pAAV hSyn1 ChR2 ET-TC 2A tDimer.

No alerts have been found for pAAV hSyn1 ChR2 ET-TC 2A tDimer.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Perez-Alvarez A, et al. (2020) Endoplasmic reticulum visits highly active spines and prevents runaway potentiation of synapses. Nature communications, 11(1), 5083.

Burr ML, et al. (2019) An Evolutionarily Conserved Function of Polycomb Silences the MHC Class I Antigen Presentation Pathway and Enables Immune Evasion in Cancer. Cancer cell, 36(4), 385.