

Resource Summary Report

Generated by [NIF](#) on Aug 29, 2026

hSyn1-FLEX-hChR2-tdtomato

RRID:Addgene_41015

Type: Plasmid

Proper Citation

RRID:Addgene_41015

Plasmid Information

URL: <http://www.addgene.org/41015>

Proper Citation: RRID:Addgene_41015

Insert Name: Channelrhodopsin-2

Organism: Chlamydomonas reinhardtii

Bacterial Resistance: Ampicillin

Vector Backbone Description: Backbone Size:4971; Vector Backbone:pAAV (Adeno-associated Virus); Vector Types:Mammalian Expression, Adenoviral; Bacterial Resistance:Ampicillin

Plasmid Name: hSyn1-FLEX-hChR2-tdtomato

Relevant Mutation: codon-optimized (human)

Record Creation Time: 20220422T222212+0000

Record Last Update: 20260829T080511+0000

Ratings and Alerts

No rating or validation information has been found for hSyn1-FLEX-hChR2-tdtomato.

No alerts have been found for hSyn1-FLEX-hChR2-tdtomato.

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 [NIF](#) .

Li N, et al. (2019) Spatiotemporal constraints on optogenetic inactivation in cortical circuits. eLife, 8.

O'Connor DH, et al. (2013) Neural coding during active somatosensation revealed using illusory touch. Nature neuroscience, 16(7), 958.