

Resource Summary Report

Generated by [RRID](#) on Aug 17, 2026

pAAV-Ef1a-DIO hChR2(E123A)-mCherry

RRID:Addgene_35508

Type: Plasmid

Proper Citation

RRID:Addgene_35508

Plasmid Information

URL: <http://www.addgene.org/35508>

Proper Citation: RRID:Addgene_35508

Insert Name: hChR2

Organism: Chlamydomonas reinhardtii

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:22179551](#)

Vector Backbone Description: Backbone Marker:Stratagene; Backbone Size:5605; Vector Backbone:pAAV; Vector Types:Mammalian Expression, AAV; Bacterial Resistance:Ampicillin

Comments:

Plasmid Name: pAAV-Ef1a-DIO hChR2(E123A)-mCherry

Relevant Mutation: E123A

Record Creation Time: 20220422T222151+0000

Record Last Update: 20260815T081406+0000

Ratings and Alerts

No rating or validation information has been found for pAAV-Ef1a-DIO hChR2(E123A)-mCherry.

No alerts have been found for pAAV-Ef1a-DIO hChR2(E123A)-mCherry.

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 [RRID](#) .

Condon LF, et al. (2024) Parabrachial Calca neurons drive nociplasticity. Cell reports, 43(4), 114057.

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

Takato J, et al. (2022) The whisking oscillator circuit. Nature, 609(7927), 560.