

# Resource Summary Report

Generated by [RRID](#) on Sep 2, 2026

## p-mCherry-C1-iChR2++

RRID:Addgene\_98172

Type: Plasmid

### Proper Citation

RRID:Addgene\_98172

### Plasmid Information

**URL:** <http://www.addgene.org/98172>

**Proper Citation:** RRID:Addgene\_98172

**Insert Name:** Synthetic construct iChR2++ gene

**Organism:** Synthetic

**Bacterial Resistance:** Kanamycin

**Defining Citation:** [PMID:29097684](#)

**Vector Backbone Description:** Backbone Size:4714; Vector Backbone:pEGFP-C1;  
Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

**Plasmid Name:** p-mCherry-C1-iChR2++

**Relevant Mutation:** A59S, E83N, E90Q, E101S, Q117R, E123S, T159C, V242R, T246N, N258Q, E273S

**Record Creation Time:** 20220422T222628+0000

**Record Last Update:** 20260902T050536+0000

### Ratings and Alerts

No rating or validation information has been found for p-mCherry-C1-iChR2++.

No alerts have been found for p-mCherry-C1-iChR2++.

### Data and Source Information

**Source:** [Addgene](#)

## Usage and Citation Metrics

We found 1 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [RRID](#) .

Xue S, et al. (2025) Implantable Light-Powered Human Designer Cells for Electrical Energy Generation. Advanced materials (Deerfield Beach, Fla.), 37(45), e02618.