

Resource Summary Report

Generated by [dkNET](#) on Jul 29, 2026

Fubi-ChR2-GFP

RRID:Addgene_22051

Type: Plasmid

Proper Citation

RRID:Addgene_22051

Plasmid Information

URL: <http://www.addgene.org/22051>

Proper Citation: RRID:Addgene_22051

Insert Name: ChR2-GFP

Organism: C. reinhardtii

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:16116447](#)

Vector Backbone Description: Backbone Marker:Lois/Baltimore; Backbone Size:9115; Vector Backbone:FUGW; Vector Types:Mammalian Expression, Lentiviral; Bacterial Resistance:Ampicillin

Comments: PLEASE CONTACT ED BOYDEN (esb@media.mit.edu) FOR DETAILS ON THIS REAGENT AND FURTHER NOVEL REAGENTS IN THIS LINE.

Plasmid Name: Fubi-ChR2-GFP

Relevant Mutation: N/A

Record Creation Time: 20220422T222058+0000

Record Last Update: 20260725T074429+0000

Ratings and Alerts

No rating or validation information has been found for Fubi-ChR2-GFP.

No alerts have been found for Fubi-ChR2-GFP.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Hofemeier AD, et al. (2021) Global and local tension measurements in biomimetic skeletal muscle tissues reveals early mechanical homeostasis. eLife, 10.

Venkatachalam V, et al. (2014) Imaging GFP-based reporters in neurons with multiwavelength optogenetic control. Biophysical journal, 107(7), 1554.

Hou JH, et al. (2014) Temporal dynamics of microbial rhodopsin fluorescence reports absolute membrane voltage. Biophysical journal, 106(3), 639.

Park J, et al. (2013) Screening fluorescent voltage indicators with spontaneously spiking HEK cells. PloS one, 8(12), e85221.