

Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 12, 2026

opto-RhoA-mCherry_pcDNA3.1

RRID:Addgene_164472

Type: Plasmid

Proper Citation

RRID:Addgene_164472

Plasmid Information

URL: <http://www.addgene.org/164472>

Proper Citation: RRID:Addgene_164472

Insert Name: opto-RhoA

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:34288599](#)

Vector Backbone Description: Backbone Size:5372; Vector Backbone:pcDNA3.1;
Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: opto-RhoA-mCherry_pcDNA3.1

Record Creation Time: 20220422T221929+0000

Record Last Update: 20260808T081133+0000

Ratings and Alerts

No rating or validation information has been found for opto-RhoA-mCherry_pcDNA3.1.

No alerts have been found for opto-RhoA-mCherry_pcDNA3.1.

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](#) .

Qiao J, et al. (2023) Development and Application of an Optogenetic Manipulation System to Suppress Actomyosin Activity in Ciona Epidermis. International journal of molecular sciences, 24(6).

Berlew EE, et al. (2022) Designing Single-Component Optogenetic Membrane Recruitment Systems: The Rho-Family GTPase Signaling Toolbox. ACS synthetic biology, 11(1), 515.