

Resource Summary Report

Generated by [NIF](#) on Jul 30, 2026

pcDNA3.1-GcACR_457-EYFP

RRID:Addgene_103137

Type: Plasmid

Proper Citation

RRID:Addgene_103137

Plasmid Information

URL: <http://www.addgene.org/103137>

Proper Citation: RRID:Addgene_103137

Insert Name: Anion channelrhodopsin GcACR_457

Organism: Geminigera cryophila

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:28256618](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:6217; Vector Backbone:pcDNA3.1; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pcDNA3.1-GcACR_457-EYFP

Relevant Mutation: human codon optimized

Record Creation Time: 20220422T221459+0000

Record Last Update: 20260725T073354+0000

Ratings and Alerts

No rating or validation information has been found for pcDNA3.1-GcACR_457-EYFP.

No alerts have been found for pcDNA3.1-GcACR_457-EYFP.

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 [NIF](#) .

Mermet-Joret N, et al. (2025) Dual-color optical activation and suppression of neurons with high temporal precision. eLife, 12.