

Resource Summary Report

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

pcDNA3 Rod Opsin

RRID:Addgene_109361

Type: Plasmid

Proper Citation

RRID:Addgene_109361

Plasmid Information

URL: <http://www.addgene.org/109361>

Proper Citation: RRID:Addgene_109361

Insert Name: Rod opsin

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:23554393](#)

Vector Backbone Description: Backbone Size:5374; Vector Backbone:pcDNA3.1; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: Also see Ballister et al. BMC Biol. 2018 (doi: 10.1186/s12915-017-0475-2) for additional use.

Plasmid Name: pcDNA3 Rod Opsin

Record Creation Time: 20220422T221530+0000

Record Last Update: 20260725T073449+0000

Ratings and Alerts

No rating or validation information has been found for pcDNA3 Rod Opsin.

No alerts have been found for pcDNA3 Rod Opsin.

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 [NIF](#) .

Cannon K, et al. (2024) Ectopically expressed rhodopsin is not sensitive to X-rays. BMC neuroscience, 25(1), 38.

Solanki AK, et al. (2021) Loss of Motor Protein MYO1C Causes Rhodopsin Mislocalization and Results in Impaired Visual Function. Cells, 10(6).