

Resource Summary Report

Generated by [dkNET](#) on Aug 19, 2026

pcDNA3.1-CibN-dCas9-CibN

RRID:Addgene_60553

Type: Plasmid

Proper Citation

RRID:Addgene_60553

Plasmid Information

URL: <http://www.addgene.org/60553>

Proper Citation: RRID:Addgene_60553

Insert Name: dCas9-CibN

Organism: Arabidopsis thaliana

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:25664691](#)

Vector Backbone Description: Backbone Size:5333; Vector Backbone:pcDNA3.1; Vector Types:Mammalian Expression, CRISPR; Bacterial Resistance:Ampicillin

Plasmid Name: pcDNA3.1-CibN-dCas9-CibN

Relevant Mutation: inactivating Cas9 mutations D10A and H840A

Record Creation Time: 20220422T222348+0000

Record Last Update: 20260815T081733+0000

Ratings and Alerts

No rating or validation information has been found for pcDNA3.1-CibN-dCas9-CibN.

No alerts have been found for pcDNA3.1-CibN-dCas9-CibN.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Garimella SS, et al. (2025) A simplified two-plasmid system for orthogonal control of mammalian gene expression using light-activated CRISPR effector. BMC biotechnology, 25(1), 58.

Nguyen NT, et al. (2021) Nano-optogenetic engineering of CAR T cells for precision immunotherapy with enhanced safety. Nature nanotechnology, 16(12), 1424.

Minami SA, et al. (2021) Transient light-activated gene expression in Chinese hamster ovary cells. BMC biotechnology, 21(1), 13.

Zhou XX, et al. (2018) A Single-Chain Photoswitchable CRISPR-Cas9 Architecture for Light-Inducible Gene Editing and Transcription. ACS chemical biology, 13(2), 443.

Lin F, et al. (2016) An Efficient Light-Inducible P53 Expression System for Inhibiting Proliferation of Bladder Cancer Cell. International journal of biological sciences, 12(10), 1273.

Jusiak B, et al. (2016) Engineering Synthetic Gene Circuits in Living Cells with CRISPR Technology. Trends in biotechnology, 34(7), 535.