

Resource Summary Report

Generated by [RRID](#) on Aug 21, 2026

pCIBN(deltaNLS)-pmGFP

RRID:Addgene_26867

Type: Plasmid

Proper Citation

RRID:Addgene_26867

Plasmid Information

URL: <http://www.addgene.org/26867>

Proper Citation: RRID:Addgene_26867

Insert Name: CIBN(deltaNLS)-pmGFP

Organism: Arabidopsis thaliana

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:21037589](#)

Vector Backbone Description: Backbone Marker:Clontech; Backbone Size:4700; Vector Backbone:pEGFP-C1; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Plasmid Name: pCIBN(deltaNLS)-pmGFP

Relevant Mutation: NLS sequences mutated

Record Creation Time: 20220422T222120+0000

Record Last Update: 20260815T081257+0000

Ratings and Alerts

No rating or validation information has been found for pCIBN(deltaNLS)-pmGFP.

No alerts have been found for pCIBN(deltaNLS)-pmGFP.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 27 mentions in open access literature.

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

Ong Q, et al. (2025) Optogenetic control of Protein Kinase C-epsilon activity reveals its intrinsic signaling properties with spatiotemporal resolution. *bioRxiv : the preprint server for biology*.

McNamara HM, et al. (2025) Optogenetic control of Nodal signaling patterns. *Development (Cambridge, England)*, 152(9).

McNamara HM, et al. (2024) Optogenetic control of Nodal signaling patterns. *bioRxiv : the preprint server for biology*.

Wurz AI, et al. (2022) CRY-BARs: Versatile light-gated molecular tools for the remodeling of membrane architectures. *The Journal of biological chemistry*, 298(10), 102388.

Bérard M, et al. (2022) A light-inducible protein clustering system for in vivo analysis of α -synuclein aggregation in Parkinson disease. *PLoS biology*, 20(3), e3001578.

Pagès DL, et al. (2022) Cell clusters adopt a collective amoeboid mode of migration in confined nonadhesive environments. *Science advances*, 8(39), eabp8416.

Qiu K, et al. (2022) Light-activated mitochondrial fission through optogenetic control of mitochondria-lysosome contacts. *Nature communications*, 13(1), 4303.

Li T, et al. (2021) A synthetic BRET-based optogenetic device for pulsatile transgene expression enabling glucose homeostasis in mice. *Nature communications*, 12(1), 615.

Liao Z, et al. (2021) Optogenetics-based localization of talin to the plasma membrane promotes activation of β 3 integrins. *The Journal of biological chemistry*, 296, 100675.

Perez-Flores MC, et al. (2020) Cooperativity of Kv7.4 channels confers ultrafast electromechanical sensitivity and emergent properties in cochlear outer hair cells. *Science advances*, 6(15), eaba1104.

Chen X, et al. (2019) Visualizing RNA dynamics in live cells with bright and stable fluorescent RNAs. *Nature biotechnology*, 37(11), 1287.

O'Banion CP, et al. (2019) Design, construction, and validation of optogenetic proteins. *Methods in enzymology*, 621, 171.

Liu Q, et al. (2019) A Photoactivatable Botulinum Neurotoxin for Inducible Control of Neurotransmission. *Neuron*, 101(5), 863.

Haar LL, et al. (2019) Optogenetic perturbation of the biochemical pathways that control cell behavior. *Methods in enzymology*, 622, 309.

Yüz SG, et al. (2019) Blue Light Switchable Cell-Cell Interactions Provide Reversible and Spatiotemporal Control Towards Bottom-Up Tissue Engineering. *Advanced biosystems*,

3(4), e1800310.

O'Banion CP, et al. (2018) Design and Profiling of a Subcellular Targeted Optogenetic cAMP-Dependent Protein Kinase. *Cell chemical biology*, 25(1), 100.

Yüz SG, et al. (2018) Independent Control over Multiple Cell Types in Space and Time Using Orthogonal Blue and Red Light Switchable Cell Interactions. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 5(8), 1800446.

Sinnen BL, et al. (2017) Optogenetic Control of Synaptic Composition and Function. *Neuron*, 93(3), 646.

Lainšček D, et al. (2017) Transcription activator-like effector-mediated regulation of gene expression based on the inducible packaging and delivery via designed extracellular vesicles. *Biochemical and biophysical research communications*, 484(1), 15.

Guglielmi G, et al. (2017) Optogenetic inhibition of apical constriction during *Drosophila* embryonic development. *Methods in cell biology*, 139, 167.