

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.

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.

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.

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.

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.

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

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.

Lainš?ek 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.

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

Rademacher A, et al. (2017) Real-time observation of light-controlled transcription in living cells. *Journal of cell science*, 130(24), 4213.