

Resource Summary Report

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

pCRY2FL(deltaNLS)-mCherryN1

RRID:Addgene_26871

Type: Plasmid

Proper Citation

RRID:Addgene_26871

Plasmid Information

URL: <http://www.addgene.org/26871>

Proper Citation: RRID:Addgene_26871

Insert Name: CRY2

Organism: Arabidopsis thaliana

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:21037589](#)

Vector Backbone Description: Backbone Marker:Clontech; Backbone Size:4722; Vector Backbone:pmCherryN1; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Plasmid Name: pCRY2FL(deltaNLS)-mCherryN1

Relevant Mutation: NLS sequences deleted

Record Creation Time: 20220422T222120+0000

Record Last Update: 20260815T081257+0000

Ratings and Alerts

No rating or validation information has been found for pCRY2FL(deltaNLS)-mCherryN1.

No alerts have been found for pCRY2FL(deltaNLS)-mCherryN1.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 10 mentions in open access literature.

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

Daeden A, et al. (2023) Polarized branched Actin modulates cortical mechanics to produce unequal-size daughters during asymmetric division. *Nature cell biology*, 25(2), 235.

Shafraz O, et al. (2023) Light-activated BioID - an optically activated proximity labeling system to study protein-protein interactions. *Journal of cell science*, 136(19).

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.

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

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.

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.

Mao YT, et al. (2018) Filopodia Conduct Target Selection in Cortical Neurons Using Differences in Signal Kinetics of a Single Kinase. *Neuron*, 98(4), 767.

Deb Roy A, et al. (2017) Optogenetic activation of Plexin-B1 reveals contact repulsion between osteoclasts and osteoblasts. *Nature communications*, 8, 15831.

Trehan A, et al. (2016) REPLACR-mutagenesis, a one-step method for site-directed mutagenesis by recombineering. *Scientific reports*, 6, 19121.

Nihongaki Y, et al. (2015) Photoactivatable CRISPR-Cas9 for optogenetic genome editing. *Nature biotechnology*, 33(7), 755.