

# Resource Summary Report

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

## pCRY2PHR-mCherryN1

RRID:Addgene\_26866

Type: Plasmid

### Proper Citation

RRID:Addgene\_26866

### Plasmid Information

**URL:** <http://www.addgene.org/26866>

**Proper Citation:** RRID:Addgene\_26866

**Insert Name:** CRY2PHR

**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:** pCRY2PHR-mCherryN1

**Record Creation Time:** 20220422T222120+0000

**Record Last Update:** 20260815T081257+0000

### Ratings and Alerts

No rating or validation information has been found for pCRY2PHR-mCherryN1.

No alerts have been found for pCRY2PHR-mCherryN1.

### Data and Source Information

**Source:** [Addgene](#)

### Usage and Citation Metrics

We found 40 mentions in open access literature.

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

Megaly M, et al. (2026) Notch Signalling Plays a Role in Patterning the Ventral Mesoderm During Early Embryogenesis in *Drosophila melanogaster*. *International journal of molecular sciences*, 27(3).

Chen L, et al. (2026) CELF2 Promotes Tau Exon 10 Inclusion via Hinge Domain-Mediated Nuclear Condensation, Driving Cognitive Dysfunction in Tauopathy Models. *Research square*.

Merigliano C, et al. (2025) Off-pore Nup98 condensates mobilize heterochromatic breaks and exclude Rad51. *Molecular cell*, 85(12), 2355.

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

Yuan F, et al. (2024) Ubiquitin-driven protein condensation stabilizes clathrin-mediated endocytosis. *PNAS nexus*, 3(9), pgae342.

Hodgson RE, et al. (2024) C9orf72 poly-PR forms anisotropic condensates causative of nuclear TDP-43 pathology. *iScience*, 27(10), 110937.

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

Yuan F, et al. (2023) Ubiquitin-driven protein condensation promotes clathrin-mediated endocytosis. *bioRxiv : the preprint server for biology*.

Pal DS, et al. (2023) Optogenetic modulation of guanine nucleotide exchange factors of Ras superfamily proteins directly controls cell shape and movement. *Frontiers in cell and developmental biology*, 11, 1195806.

Pal DS, et al. (2023) Actuation of single downstream nodes in growth factor network steers immune cell migration. *Developmental cell*, 58(13), 1170.

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

Banerjee T, et al. (2022) Spatiotemporal dynamics of membrane surface charge regulates cell polarity and migration. *Nature cell biology*, 24(10), 1499.

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.

Boyd-Shiwariski CR, et al. (2022) WNK kinases sense molecular crowding and rescue cell volume via phase separation. *Cell*, 185(24), 4488.

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

Clarke JWE, et al. (2021) Multiple Sclerosis-Associated hnRNPA1 Mutations Alter hnRNPA1 Dynamics and Influence Stress Granule Formation. *International journal of molecular sciences*, 22(6).

Herrera-Perez RM, et al. (2021) Using optogenetics to link myosin patterns to contractile cell behaviors during convergent extension. *Biophysical journal*, 120(19), 4214.

Day KJ, et al. (2021) Liquid-like protein interactions catalyse assembly of endocytic vesicles. *Nature cell biology*, 23(4), 366.

Liao Z, et al. (2021) Optogenetics-based localization of talin to the plasma membrane promotes activation of  $\beta_3$  integrins. *The Journal of biological chemistry*, 296, 100675.

Kim G, et al. (2021) Multivalent electrostatic pi-cation interaction between synaptophysin and synapsin is responsible for the coacervation. *Molecular brain*, 14(1), 137.