

Resource Summary Report

Generated by [NIF](#) on Jul 30, 2026

mCherry-CRY2clust

RRID:Addgene_105624

Type: Plasmid

Proper Citation

RRID:Addgene_105624

Plasmid Information

URL: <http://www.addgene.org/105624>

Proper Citation: RRID:Addgene_105624

Insert Name: mCherry-CRY2PHR-9aa

Organism: Homo sapiens

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:28646204](#)

Vector Backbone Description: Backbone Marker:Clontech; Backbone Size:4658; Vector Backbone:pmCherry-C1; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Plasmid Name: mCherry-CRY2clust

Record Creation Time: 20220422T221512+0000

Record Last Update: 20260725T073418+0000

Ratings and Alerts

No rating or validation information has been found for mCherry-CRY2clust.

No alerts have been found for mCherry-CRY2clust.

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 [NIF](#) .

Deng X, et al. (2025) Optogenetic perturbation of lipid droplet localization affects lipid metabolism and development in *Drosophila*. *Journal of lipid research*, 66(8), 100848.

Takada A, et al. (2024) Development of an optogenetics tool, Opto-RANK, for control of osteoclast differentiation using blue light. *Scientific reports*, 14(1), 1749.

Didan Y, et al. (2024) Stress pathway outputs are encoded by pH-dependent clustering of kinase components. *Nature communications*, 15(1), 6614.

Kim MS, et al. (2023) Advanced human iPSC-based preclinical model for Parkinson's disease with optogenetic alpha-synuclein aggregation. *Cell stem cell*, 30(7), 973.

Rodriguez Gama A, et al. (2022) A nucleation barrier spring-loads the CBM signalosome for binary activation. *eLife*, 11.

Yamamoto S, et al. (2021) Biophysical and biochemical properties of Deup1 self-assemblies: a potential driver for deuterosome formation during multiciliogenesis. *Biology open*, 10(3).