

# Resource Summary Report

Generated by [NIF](#) on Sep 17, 2026

## mCherry2-C1

RRID:Addgene\_54563

Type: Plasmid

### Proper Citation

RRID:Addgene\_54563

### Plasmid Information

**URL:** <http://www.addgene.org/54563>

**Proper Citation:** RRID:Addgene\_54563

**Bacterial Resistance:** Kanamycin

**Vector Backbone Description:** Backbone Size:4750; Vector Backbone:mCherry2-C1;  
Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

**Comments:** Excitation = 587; Emission = 610 Please note that the restriction sites indicated in the supplemental file may not be unique. We recommend using the Addgene NGS sequence for designing cloning strategies.

**Plasmid Name:** mCherry2-C1

**Record Creation Time:** 20220422T222319+0000

**Record Last Update:** 20260912T092850+0000

### Ratings and Alerts

No rating or validation information has been found for mCherry2-C1.

No alerts have been found for mCherry2-C1.

### Data and Source Information

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

### Usage and Citation Metrics

We found 52 mentions in open access literature.

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

Wang R, et al. (2026) Epithelial-dermal inflammasome crosstalk in cutaneous squamous cell carcinoma. *Molecular biology of the cell*, 37(3), br7.

Goldman A, et al. (2026) An LRRK2 variant blocks NCOA4 trafficking upon iron overload, leading to ferroptotic death. *Journal of cell science*, 139(14).

Woo TG, et al. (2025) Inhibition of SOD1 trimerization is a novel drug target for ALS disease. *Translational neurodegeneration*, 14(1), 21.

Conca F, et al. (2025) Phosphatases Control the Duration and Range of cAMP/PKA Microdomains. *Function (Oxford, England)*, 6(2).

Myers JM, et al. (2025) Enhanced hammerhead ribozyme turnover rates: Reevaluating therapeutic space for small catalytic RNAs. *Molecular therapy. Nucleic acids*, 36(1), 102431.

Kurbegovic A, et al. (2025) Eliosin-an alternative product from the HmPKD1 locus is a component of endoplasmic reticulum mitochondria membrane contact sites. *PloS one*, 20(10), e0332969.

Nacken W, et al. (2025) Influenza A virus NS1 suppresses nuclear speckles promoted gene expression by inhibition of transcription. *Npj viruses*, 3(1), 46.

Rivera J, et al. (2024) Phylogenomic, structural, and cell biological analyses reveal that *Stenotrophomonas maltophilia* replicates in acidified Rab7A-positive vacuoles of *Acanthamoeba castellanii*. *Microbiology spectrum*, 12(3), e0298823.

Lin J, et al. (2024) Design principles to tailor Hsp104 therapeutics. *Cell reports*, 43(12), 115005.

Takagishi M, et al. (2024) Motor protein Kif6 regulates cilia motility and polarity in brain ependymal cells. *Disease models & mechanisms*, 17(2).

Leiva D, et al. (2024) Phenotyping of cancer-associated somatic mutations in the BCL2 transmembrane domain. *Oncogenesis*, 13(1), 14.

Zhang H, et al. (2024) Phosphorylation of Doc2 by EphB2 modulates Munc13-mediated SNARE complex assembly and neurotransmitter release. *Science advances*, 10(20), eadi7024.

Jansen LR, et al. (2024) Crosstalk between PKA and PIAS3 regulates cardiac Kv4 channel SUMOylation. *Cell communication and signaling : CCS*, 22(1), 422.

Iannucci LF, et al. (2023) Cyclic AMP induces reversible EPAC1 condensates that regulate histone transcription. *Nature communications*, 14(1), 5521.

Pierce CA, et al. (2023) HSV-2 triggers upregulation of MALAT1 in CD4+ T cells and promotes HIV latency reversal. *The Journal of clinical investigation*, 133(11).

Asante Y, et al. (2023) PAX3-FOXO1 uses its activation domain to recruit CBP/P300 and shape RNA Pol2 cluster distribution. *Nature communications*, 14(1), 8361.

Tovini L, et al. (2023) Targeted assembly of ectopic kinetochores to induce chromosome-specific segmental aneuploidies. *The EMBO journal*, 42(10), e111587.

Petersen J, et al. (2023) A previously uncharacterized Factor Associated with Metabolism and Energy (FAME/C14orf105/CCDC198/1700011H14Rik) is related to evolutionary adaptation, energy balance, and kidney physiology. *Nature communications*, 14(1), 3092.

Chen ZS, et al. (2023) Mutant GGGGCC RNA prevents YY1 from binding to Fuzzy promoter which stimulates Wnt/??-catenin pathway in C9ALS/FTD. *Nature communications*, 14(1), 8420.

Takagishi M, et al. (2023) Kif6 regulates cilia motility and polarity in brain ependymal cells. *bioRxiv* : the preprint server for biology.