

Resource Summary Report

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

pCFJ90 - Pmyo-2::mCherry::unc-54utr

RRID:Addgene_19327

Type: Plasmid

Proper Citation

RRID:Addgene_19327

Plasmid Information

URL: <http://www.addgene.org/19327>

Proper Citation: RRID:Addgene_19327

Insert Name: Pmyo-2::mCherry

Organism: Caenorhabditis elegans

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:18953339](#)

Vector Backbone Description: Backbone Size:2446; Vector Backbone:N/A; Vector Types:Worm Expression; Bacterial Resistance:Ampicillin

Comments: Use as co-injection marker. Red mCherry fluorescence in the pharynx. Do not use at high concentration (above 5 ng/ul) as it is toxic to animals.

Plasmid Name: pCFJ90 - Pmyo-2::mCherry::unc-54utr

Record Creation Time: 20220422T222045+0000

Record Last Update: 20260725T074408+0000

Ratings and Alerts

No rating or validation information has been found for pCFJ90 - Pmyo-2::mCherry::unc-54utr.

No alerts have been found for pCFJ90 - Pmyo-2::mCherry::unc-54utr.

Data and Source Information

Usage and Citation Metrics

We found 89 mentions in open access literature.

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

Garcia-Sanchez JA, et al. (2025) Evolutionary conserved regulation of TFEB stability by the E3 ubiquitin ligase WWP2 modulates response to stress in vivo. *iScience*, 28(2), 111838.

Schreier J, et al. (2025) A genetic framework for RNAi inheritance in *Caenorhabditis elegans*. *EMBO reports*, 26(16), 4072.

Post WB, et al. (2025) Notch activity is modulated by the aGPCR Latrophilin binding the DSL ligand in *C. elegans*. *Nature communications*, 16(1), 6461.

Gao Y, et al. (2025) A dataset of expression profile of certain microRNAs in *Caenorhabditis elegans*. *Scientific data*, 12(1), 1143.

Jhaveri N, et al. (2025) Heat tolerance and genetic adaptations in *Caenorhabditis briggsae*: insights from comparative studies with *Caenorhabditis elegans*. *Genetics*, 230(2).

Park KH, et al. (2025) Optogenetic induction of TDP-43 aggregation impairs neuronal integrity and behavior in *Caenorhabditis elegans*. *Translational neurodegeneration*, 14(1), 20.

Liew SW, et al. (2025) A novel L-RNA aptamer to regulate the pUG fold RNA-induced gene expression in vivo. *Nucleic acids research*, 53(5).

He Y, et al. (2025) The shutdown of food digestion due to endoplasmic reticulum homeostasis disruption acts as a protective mechanism in *C. elegans*. *Nature communications*, 16(1), 8417.

Noblett N, et al. (2025) Nuclear hormone receptor regulation of PAL-1/Caudal mediates ventral nerve cord assembly in *C. elegans*. *Developmental biology*, 528, 13.

Zeng W, et al. (2024) Optogenetic manipulation of lysosomal physiology and autophagy-dependent clearance of amyloid beta. *PLoS biology*, 22(4), e3002591.

Xu W, et al. (2024) A lineage-resolved cartography of microRNA promoter activity in *C. elegans* empowers multidimensional developmental analysis. *Nature communications*, 15(1), 2783.

Toraason E, et al. (2024) In vivo neuron-specific expression of *C. elegans* reprogramming factor orthologs does not alleviate age-related cognitive decline. *microPublication biology*, 2024.

Tamagawa K, et al. (2024) Evolutionary changes of noncoding elements associated with transition of sexual mode in *Caenorhabditis* nematodes. *Science advances*, 10(37), eadn9913.

Mendoza AD, et al. (2024) Lysosome-related organelles contain an expansion compartment that mediates delivery of zinc transporters to promote homeostasis. *Proceedings of the National Academy of Sciences of the United States of America*, 121(7), e2307143121.

Kiontke K, et al. (2024) Tissue-specific RNA-seq defines genes governing male tail tip morphogenesis in *C. elegans*. *bioRxiv : the preprint server for biology*.

Sandhu A, et al. (2024) The microtubule regulator EFA-6 forms spatially restricted cortical foci dependent on its intrinsically disordered region and interactions with tubulins. *bioRxiv : the preprint server for biology*.

Lyu H, et al. (2024) Functional distinction in oncogenic Ras variant activity in *Caenorhabditis elegans*. *Disease models & mechanisms*, 17(8).

Fang J, et al. (2024) Endocytosis restricts dendrite branching via removing ectopically localized branching ligands. *Nature communications*, 15(1), 9651.

Kurashina M, et al. (2023) Targeting endogenous proteins for spatial and temporal knockdown using auxin-inducible degron in *Caenorhabditis elegans*. *STAR protocols*, 4(1), 102028.

Zhang R, et al. (2023) Maternal aging increases offspring adult body size via transmission of donut-shaped mitochondria. *Cell research*, 33(11), 821.