

Resource Summary Report

Generated by [NIF](#) on Aug 23, 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: 20260815T081144+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 95 mentions in open access literature.

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

van Schendel R, et al. (2026) TONSL suppresses polymerase theta-dependent tandem duplications through chromatin-guided repair. *Nature communications*, 17(1).

Kimmich M, et al. (2026) Generation of a functional fluorescently-tagged PFN-3 profilin transgene in *Caenorhabditis elegans*. *microPublication biology*, 2026.

Boström AH, et al. (2026) Auxin-inducible degradation of UNC-116 in *C. elegans* inhibits bidirectional dense core vesicle transport and worm locomotion on different timescales. *Journal of cell science*, 139(6).

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.

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

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.

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

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

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.

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.

Kimmich MJ, et al. (2025) The Sole Essential Low Molecular Weight Tropomyosin Isoform of *Caenorhabditis elegans* Is Essential for Pharyngeal Muscle Function. *Cytoskeleton (Hoboken, N.J.)*, 82(12), 815.

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).

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.

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

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*.

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*.

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

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.