

Resource Summary Report

Generated by [NIF](#) on Sep 7, 2026

pCFJ104 - Pmyo-3::mCherry::unc-54

RRID:Addgene_19328

Type: Plasmid

Proper Citation

RRID:Addgene_19328

Plasmid Information

URL: <http://www.addgene.org/19328>

Proper Citation: RRID:Addgene_19328

Insert Name: Pmyo-3::mCherry

Organism: Caenorhabditis elegans

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:18953339](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:2416; Vector Backbone:pDEST4-R3; Vector Types:Worm Expression; Bacterial Resistance:Ampicillin

Comments: Red mCherry expression in the pharynx driven by the myo-3 promoter. unc-54 utr.

Plasmid Name: pCFJ104 - Pmyo-3::mCherry::unc-54

Record Creation Time: 20220422T222045+0000

Record Last Update: 20260905T075335+0000

Ratings and Alerts

No rating or validation information has been found for pCFJ104 - Pmyo-3::mCherry::unc-54.

No alerts have been found for pCFJ104 - Pmyo-3::mCherry::unc-54.

Data and Source Information

Usage and Citation Metrics

We found 69 mentions in open access literature.

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

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).

Henthorn CR, et al. (2026) CELeidoscope: quad-fluorescent *Caenorhabditis elegans* strain for tissue-specific spectral single-cell analyses. *bioRxiv : the preprint server for biology*.

Mejia-Trujillo R, et al. (2026) RNA Pol I shapes meiotic chromatin, germline H3K4me3 dynamics, and oogenesis independent of ribosome assembly. *Cell reports*, 45(2), 116866.

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.

Fern A, et al. (2026) *C. elegans* small heat-shock protein HSP-12.6 has a highly specialized protective function towards muscle thick filaments in vivo. *bioRxiv : the preprint server for biology*.

Dinneen E, et al. (2025) A single-copy knock-in system: one plasmid to target all chromosomes in *C. elegans*. *G3 (Bethesda, Md.)*, 15(11).

Zellag RM, et al. (2025) The spatiotemporal distribution of LIN-5/NuMA regulates spindle orientation in the *C. elegans* germ line. *Cell reports*, 44(2), 115296.

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

Correa JS, et al. (2025) Conservative evolution of genetic and genomic features in *Caenorhabditis becei*, an experimentally tractable gonochoristic worm. *bioRxiv : the preprint server for biology*.

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.

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.

Zhu M, et al. (2025) PTP-3 regulated by VB12 is important for ageing health in *C. elegans*. *npj aging*, 11(1), 10.

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.

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

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.

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

Knop F, et al. (2024) *Caenorhabditis elegans* SEL-5/AAK1 regulates cell migration and cell outgrowth independently of its kinase activity. *eLife*, 13.

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.