Resource Summary Report

Generated by dkNET on Jul 30, 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:pDESTR4-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: 20260725T074408+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

Source: Addgene

Usage and Citation Metrics

We found 60 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET .

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

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.

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).

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.

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.

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.

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.

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.

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

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.

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

Dobbelaere J, et al. (2023) A phylogenetic profiling approach identifies novel ciliogenesis genes in Drosophila and C. elegans. The EMBO journal, 42(16), e113616.

Schreier J, et al. (2022) Membrane-associated cytoplasmic granules carrying the Argonaute protein WAGO-3 enable paternal epigenetic inheritance in Caenorhabditis elegans. Nature cell biology, 24(2), 217.

Negishi T, et al. (2022) The auxin-inducible degron 2 (AID2) system enables controlled protein knockdown during embryogenesis and development in Caenorhabditis elegans. Genetics, 220(2).

Nakajo M, et al. (2022) Centrosome maturation requires phosphorylation-mediated sequential domain interactions of SPD-5. Journal of cell science, 135(8).

Shah P, et al. (2022) Visualizing and quantifying molecular and cellular processes in Caenorhabditis elegans using light microscopy. Genetics, 221(4).

Holzer E, et al. (2022) A modified TurboID approach identifies tissue-specific centriolar components in C. elegans. PLoS genetics, 18(4), e1010150.