Resource Summary Report

Generated by dkNET on Jul 31, 2026

L4440

RRID:Addgene_1654
Type: Plasmid

Proper Citation

RRID:Addgene_1654

Plasmid Information

URL: http://www.addgene.org/1654

Proper Citation: RRID:Addgene_1654

Bacterial Resistance: Ampicillin

Vector Backbone Description: Backbone Size:2790; Vector Types:Worm Expression, RNAi; Bacterial Resistance:Ampicillin

Comments: See Fire Lab Vector Kit Documentation 1999. Fire Lab Miniprep Number pPD129.36, Ligation number L4440. "Author's Map" courtesy of Dr. Guy Caldwell.

Plasmid Name: L4440

Record Creation Time: 20220422T221933+0000

Record Last Update: 20260725T074202+0000

Ratings and Alerts

No rating or validation information has been found for L4440.

No alerts have been found for L4440.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 89 mentions in open access literature.

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

Kim J, et al. (2025) Imaging and Quantifying Mitochondrial Morphology in C. elegans During Aging. Journal of visualized experiments : JoVE(215).

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

VanDerMolen KR, et al. (2025) Non-cell-autonomous regulation of mTORC2 by Hedgehog signaling maintains lipid homeostasis. Cell reports, 44(1), 115191.

Samarskaya VO, et al. (2025) Poly ADP-Ribosylation in a Plant Pathogenic Oomycete Phytophthora infestans: A Key Controller of Growth and Host Plant Colonisation. Journal of fungi (Basel, Switzerland), 11(1).

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.

Nair SS, et al. (2025) Validation study of a novel, rapid, open platform real-time LAMP assay for early diagnosis of pulmonary tuberculosis. Scientific reports, 15(1), 10069.

Gimenez S, et al. (2025) Towards identification of a holocentromere marker in the lepidopteran model Spodoptera frugiperda. Chromosoma, 134(1), 2.

Knittel TL, et al. (2025) Interdependence of Pasha and Drosha for localization and function of the Microprocessor in C. elegans. Nature communications, 16(1), 5595.

Zhang J, et al. (2025) Experimental validation of RNA interference technologies for improved control of barber's pole worm. Veterinary research, 56(1), 194.

Packer J, et al. (2024) Atypical Protein Kinase C Promotes its own Asymmetric Localisation by Phosphorylating Cdc42 in the C. elegans zygote. bioRxiv : the preprint server for biology.

Agarwal P, et al. (2024) Active nuclear positioning and actomyosin contractility maintain leader cell integrity during gonadogenesis. Current biology : CB, 34(11), 2373.

Singh N, et al. (2024) The Rac pathway prevents cell fragmentation in a nonprotrusively migrating leader cell during C. elegans gonad organogenesis. Current biology : CB, 34(11), 2387.

Weng Y, et al. (2024) Male-specific behavioral and transcriptomic changes in aging C. elegans neurons. iScience, 27(6), 109910.

Martínez-Valencia D, et al. (2024) The Entamoeba histolytica Vps26 (EhVps26) retromeric protein is involved in phagocytosis: Bioinformatic and experimental approaches. PloS one, 19(8), e0304842.

Kovács D, et al. (2024) Age-dependent heat shock hormesis to HSF-1 deficiency suggests a compensatory mechanism mediated by the unfolded protein response and innate

immunity in young Caenorhabditis elegans. Aging cell, 23(10), e14246.

Figueiredo Prates LH, et al. (2024) Challenges of Robust RNAi-Mediated Gene Silencing in Aedes Mosquitoes. International journal of molecular sciences, 25(10).

Sajadi F, et al. (2024) Molecular characterization, localization, and physiological roles of ITP and ITP-L in the mosquito, Aedes aegypti. Frontiers in insect science, 4, 1374325.

Song J, et al. (2024) FOXO-regulated OSER1 reduces oxidative stress and extends lifespan in multiple species. Nature communications, 15(1), 7144.

Alirzayeva H, et al. (2024) ALS-FUS mutations cause abnormal PARylation and histone H1.2 interaction, leading to pathological changes. Cell reports, 43(8), 114626.