

Resource Summary Report

Generated by [NIF](#) on Aug 19, 2026

CU6372

RRID:WB-STRAIN:WBStrain00005196

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00005196

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00005196>

Proper Citation: RRID:WB-STRAIN:WBStrain00005196

Description: Caenorhabditis elegans with name drp-1(tm1108) IV. from WB.

Species: Caenorhabditis elegans

Synonyms: drp-1(tm1108) IV.

Notes: Homozygous viable. Slow growth but not lethal or sterile. Reference: Breckenridge DG, et al. Mol Cell. 2008 Aug 22;31(4):586-97.["Mutagen:TMP+UV"]["Mutagen:TMP/UV"]["Supplementary_genotype drp-1(tm1108) IV"]["WBStrain mapped, WBPaper00059578 added based on AFP_Strain data."]

Affected Gene: WBGene00001093(drp-1)

Genomic Alteration: WBGene00001093(drp-1)

Catalog Number: WB-STRAIN:WBStrain00005196

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Source References: [PMID:32302543](#), [PMID:36653384](#), [PMID:37708895](#), [PMID:37957360](#)

Alternate IDs: WB-STRAIN:CU6372, CGC_CU6372

Organism Name: CU6372

Record Creation Time: 20230227T013258+0000

Record Last Update: 20260815T162349+0000

Ratings and Alerts

No rating or validation information has been found for CU6372.

No alerts have been found for CU6372.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: WormBase (WB)

Usage and Citation Metrics

We found 10 mentions in open access literature.

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

Dennis N, et al. (2025) A microbial community that alters mitochondrial morphology and age-related motor function in *C. elegans*. *iScience*, 28(12), 114128.

Roussos A, et al. (2025) Urolithin ? modulates inter-organellar communication via calcium-dependent mitophagy to promote healthy ageing. *Autophagy*, 21(12), 3097.

Michaeli L, et al. (2024) ULP-2 SUMO protease regulates UPRmt and mitochondrial homeostasis in *Caenorhabditis elegans*. *Free radical biology & medicine*, 214, 19.

Vodiřková A, et al. (2024) Mitochondrial energy state controls AMPK-mediated foraging behavior in *C. elegans*. *Science advances*, 10(16), eadm8815.

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

Chamoli M, et al. (2023) A drug-like molecule engages nuclear hormone receptor DAF-12/FXR to regulate mitophagy and extend lifespan. *Nature aging*, 3(12), 1529.

Haeussler S, et al. (2021) Genome-wide RNAi screen for regulators of UPRmt in *Caenorhabditis elegans* mutants with defects in mitochondrial fusion. *G3 (Bethesda, Md.)*, 11(7).

Yen CA, et al. (2020) Loss of flavin adenine dinucleotide (FAD) impairs sperm function and male reproductive advantage in *C. elegans*. *eLife*, 9.

Kim H, et al. (2018) Gene-by-environment interactions that disrupt mitochondrial homeostasis cause neurodegeneration in *C. elegans* Parkinson's models. *Cell death & disease*, 9(5), 555.

Shen Q, et al. (2014) Mutations in Fis1 disrupt orderly disposal of defective mitochondria. *Molecular biology of the cell*, 25(1), 145.