Resource Summary Report

Generated by NIF on Sep 13, 2026

DCL569

RRID:WB-STRAIN:WBStrain00005607
Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00005607

Organism Information

URL: http://www.wormbase.org/db/get?name=WBStrain00005607

Proper Citation: RRID:WB-STRAIN:WBStrain00005607

Description: Caenorhabditis elegans with name mkcSi13 II; rde-1(mkc36) V from WB.

Species: Caenorhabditis elegans

Synonyms: mkcSi13 II; rde-1(mkc36) V

Notes: Made_by: Lina Zou|"mkcSi13 [sun-1p::rde-1::sun-1 3'UTR + unc-119(+)] II. Germline rescue of the rde-1(mkc36) indel mutation, allowing germline-specific RNAi. Reference: Zou L, et al. Scientific Reports Volume 9, Article number: 2354 (2019) Construction of a germline-specific RNAi tool in C. elegans."|"Supplementary_genotype mkcSi13 [sun-1p::rde-1::sun-1 3'UTR + unc-119(+)] II"|"Supplementary_genotype mkcSi13[sun-1p::rde-1::sun-1 3'UTR + unc-119(+)] II; rde-1(mkc36) V"|"Supplementary_genotype [rde-1; sun-1p::rde-1]"|"WBStrain mapped, WBPaper00060738 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00061562 added based on AFP_Strain data."|"WBStrain provided so WBPaper00060343 paper added based on AFP_Strain data."|"WBStrain provided so WBPaper00061869 paper added based on AFP_Strain data."

Affected Gene: WBGene00004323(rde-1)

Genomic Alteration: WBGene00004323(rde-1)

Catalog Number: WB-STRAIN:WBStrain00005607

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Source References: PMID:32943454, PMID:33289480, PMID:33594200, PMID:34172445, PMID:34648748, PMID:36176234, PMID:37058536, PMID:37118550, PMID:37577954, PMID:37708895, PMID:38740431, PMID:38852157, PMID:38908368, PMID:39167497, PMID:39284915

Alternate IDs: WB-STRAIN:DCL569, CGC_DCL569

Organism Name: DCL569

Record Creation Time: 20230227T013301+0000

Record Last Update: 20260912T181042+0000

Ratings and Alerts

No rating or validation information has been found for DCL569.

No alerts have been found for DCL569.

Data and Source Information

Source: Integrated Animals

Source Database: WormBase (WB)

Usage and Citation Metrics

We found 12 mentions in open access literature.

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

Rautela U, et al. (2025) DAF-16/FOXO maintains genome integrity following genotoxic stress. bioRxiv : the preprint server for biology.

Min H, et al. (2024) A role for BYN-1/bystin in cellular uptake and clearance of residual bodies in the Caenorhabditis elegans germline. Development (Cambridge, England), 151(19).

Muhammad T, et al. (2024) Non-cell-autonomous regulation of germline proteostasis by insulin/IGF-1 signaling-induced dietary peptide uptake via PEPT-1. The EMBO journal, 43(21), 4892.

Rautela U, et al. (2024) A non-canonical role of somatic Cyclin D/CYD-1 in oogenesis and in maintenance of reproductive fidelity, dependent on the FOXO/DAF-16 activation state. PLoS genetics, 20(11), e1011453.

Cao W, et al. (2024) A nucleic acid binding protein map of germline regulation in Caenorhabditis elegans. Nature communications, 15(1), 6884.

Lee HJ, et al. (2023) Cold temperature extends longevity and prevents disease-related protein aggregation through PA28??-induced proteasomes. Nature aging, 3(5), 546.

Liu J, et al. (2023) GABAergic signaling between enteric neurons and intestinal smooth muscle promotes innate immunity and gut defense in Caenorhabditis elegans. Immunity, 56(7), 1515.

Zhang X, et al. (2023) A gonadal gap junction INX-14/Notch GLP-1 signaling axis suppresses gut defense through an intestinal lysosome pathway. Frontiers in immunology, 14, 1249436.

Shin H, et al. (2022) Peripubertal requirement of Tsg101 in maintaining the integrity of membranous structures in mouse oocytes. Cell proliferation, 55(10), e13288.

Heissenberger C, et al. (2020) The ribosomal RNA m5C methyltransferase NSUN-1 modulates healthspan and oogenesis in Caenorhabditis elegans. eLife, 9.

Lee HJ, et al. (2019) Prostaglandin signals from adult germ stem cells delay somatic aging of Caenorhabditis elegans. Nature metabolism, 1(8), 790.

Zou L, et al. (2019) Construction of a germline-specific RNAi tool in C. elegans. Scientific reports, 9(1), 2354.