

Resource Summary Report

Generated by [dkNET](#) on Sep 15, 2026

MT13113

RRID:WB-STRAIN:WBStrain00027424

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00027424

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00027424>

Proper Citation: RRID:WB-STRAIN:WBStrain00027424

Description: Caenorhabditis elegans with name tdc-1(n3419) II. from WB.

Species: Caenorhabditis elegans

Synonyms: tdc-1(n3419) II.

Notes: Mutagen:TMP+UV["Mutagen:TMP/UV"]"n3419 is a deletion in L-aromatic amino acid decarboxylase with homology to histadine decarboxylase. Forages while backing. PKA adc-1."["Supplementary_genotype tdc-1(n3419)"]["WBStrain mapped, WBPaper00059778 added based on AFP_Strain data."]

Affected Gene: WBGene00006562(tdc-1)

Genomic Alteration: WBGene00006562(tdc-1)

Catalog Number: WB-STRAIN:WBStrain00027424

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Source References: [PMID:32510332](#), [PMID:37431892](#), [PMID:37728328](#), [PMID:37773959](#), [PMID:38573858](#)

Alternate IDs: WB-STRAIN:MT13113, CGC_MT13113

Organism Name: MT13113

Record Creation Time: 20230227T013545+0000

Record Last Update: 20260912T181530+0000

Ratings and Alerts

No rating or validation information has been found for MT13113.

No alerts have been found for MT13113.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: WormBase (WB)

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Pradhan S, et al. (2025) Pathogen infection induces sickness behaviors through neuromodulators linked to stress and satiety in *C. elegans*. *Nature communications*, 16(1), 3200.

Marquina-Solis J, et al. (2024) Antagonism between neuropeptides and monoamines in a distributed circuit for pathogen avoidance. *Cell reports*, 43(4), 114042.

Moro CA, et al. (2023) Adenylosuccinate lyase deficiency affects neurobehavior via perturbations to tyramine signaling in *Caenorhabditis elegans*. *PLoS genetics*, 19(9), e1010974.

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.

Cermak N, et al. (2020) Whole-organism behavioral profiling reveals a role for dopamine in state-dependent motor program coupling in *C. elegans*. *eLife*, 9.