

# Resource Summary Report

Generated by [dkNET](#) on Sep 14, 2026

## BY250

RRID:WB-STRAIN:WBStrain00004027

Type: Organism

### Proper Citation

RRID:WB-STRAIN:WBStrain00004027

### Organism Information

**URL:** <http://www.wormbase.org/db/get?name=WBStrain00004027>

**Proper Citation:** RRID:WB-STRAIN:WBStrain00004027

**Description:** Caenorhabditis elegans with name vtIs7. from WB.

**Species:** Caenorhabditis elegans

**Synonyms:** vtIs7.

**Notes:** Supplementary\_genotype (vtIs7 [Pdat-1::GFP])|vtIs7 [dat-1p::GFP]. Integrated reporter with bright GFP observable in all dopaminergic neurons and processes. No behavioral changes have been noted in relation to transgene integration. DA neuron degeneration is evident with easily detectible loss of GFP expression (e.g. Hardaway et al, J. Neurosci, 2015). Reference: Nass, R., et al. (2002). Neurotoxin-induced degeneration of dopamine neurons in Caenorhabditis elegans. Proc Natl Acad Sci USA 99(5): 3264-3269."|WBStrain provided so WBPaper00060778 paper added based on AFP\_Strain data."

**Affected Gene:** WBGene00000934(dat-1)

**Genomic Alteration:** WBGene00000934(dat-1)

**Catalog Number:** WB-STRAIN:WBStrain00004027

**Database:** WormBase (WB)

**Database Abbreviation:** WB

**Availability:** available

**Source References:** [PMID:36745808](#), [PMID:37260751](#), [PMID:39097626](#), [PMID:39839711](#)

**Alternate IDs:** WB-STRAIN:BY250, CGC\_BY250

**Organism Name:** BY250

**Record Creation Time:** 20230227T013249+0000

**Record Last Update:** 20260912T181024+0000

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## Ratings and Alerts

No rating or validation information has been found for BY250.

No alerts have been found for BY250.

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## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** WormBase (WB)

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## Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Adams PE, et al. (2024) Identifying transgene insertions in *Caenorhabditis elegans* genomes with Oxford Nanopore sequencing. *PeerJ*, 12, e18100.

Nourse JB, et al. (2023) Integrated regulation of dopaminergic and epigenetic effectors of neuroprotection in Parkinson's disease models. *Proceedings of the National Academy of Sciences of the United States of America*, 120(7), e2210712120.