

Resource Summary Report

Generated by [dkNET](#) on Sep 8, 2026

RB925

RRID:WB-STRAIN:WBStrain00031637

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00031637

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00031637>

Proper Citation: RRID:WB-STRAIN:WBStrain00031637

Description: Caenorhabditis elegans with name ire-1(ok799) II. from WB.

Species: Caenorhabditis elegans

Synonyms: ire-1(ok799) II.

Notes: C41C4.4. Homozygous. Outer Left Sequence: AGGTAGGCGAGGAGAGATCC. Outer Right Sequence: TAATGGGGTTTCGCTTCTGA. Inner Left Sequence: TCGTCGATGTTCTTCAAACG. Inner Right Sequence: TTCATTCTGGAAGCTTGGCT. Inner Primer WT PCR product: 3031. Deletion size: 2093 bp."|"ire-1 mutant"|"Made_by: OMRF Knockout Group"|"Mutagen:UV/TMP"|"Reference WBPaper00058832 added based on published strain data identified by Textpresso literature search."|"This strain was provided by the C. elegans Gene Knockout Project at the Oklahoma Medical Research Foundation, which was part of the International C. elegans Gene Knockout Consortium, which should be acknowledged in any publications resulting from its use."|"WBStrain provided so WBPaper00060933 paper added based on AFP_Strain data."

Affected Gene: WBGene00002147(ire-1)

Genomic Alteration: WBGene00002147(ire-1)

Catalog Number: WB-STRAIN:WBStrain00031637

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Source References: [PMID:31704915](#), [PMID:33495210](#), [PMID:37039075](#), [PMID:38987256](#)

Alternate IDs: WB-STRAIN:RB925, CGC_RB925

Organism Name: RB925

Record Creation Time: 20230227T013618+0000

Record Last Update: 20260905T115237+0000

Ratings and Alerts

No rating or validation information has been found for RB925.

No alerts have been found for RB925.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: WormBase (WB)

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Engelfriet ML, et al. (2025) Reprogramming gene expression in 'hibernating' *C. elegans* involves the IRE-1/XBP-1 pathway. *eLife*, 13.

Jiang D, et al. (2024) IRE1?? determines ferroptosis sensitivity through regulation of glutathione synthesis. *Nature communications*, 15(1), 4114.

Xu J, et al. (2024) The unfolded protein response of the endoplasmic reticulum protects *Caenorhabditis elegans* against DNA damage caused by stalled replication forks. *G3* (Bethesda, Md.), 14(4).

Beaudoin-Chabot C, et al. (2022) The unfolded protein response reverses the effects of glucose on lifespan in chemically-sterilized *C. elegans*. *Nature communications*, 13(1), 5889.

Salzberg Y, et al. (2017) Reduced Insulin/Insulin-Like Growth Factor Receptor Signaling Mitigates Defective Dendrite Morphogenesis in Mutants of the ER Stress Sensor IRE-1. *PLoS genetics*, 13(1), e1006579.

Kramer LB, et al. (2010) UEV-1 is an ubiquitin-conjugating enzyme variant that regulates glutamate receptor trafficking in *C. elegans* neurons. *PloS one*, 5(12), e14291.