

# Resource Summary Report

Generated by [NIF](#) on Aug 25, 2026

## **RB772**

RRID:WB-STRAIN:WBStrain00031485

Type: Organism

### Proper Citation

RRID:WB-STRAIN:WBStrain00031485

### Organism Information

**URL:** <http://www.wormbase.org/db/get?name=WBStrain00031485>

**Proper Citation:** RRID:WB-STRAIN:WBStrain00031485

**Description:** Caenorhabditis elegans with name atf-6(ok551) X. from WB.

**Species:** Caenorhabditis elegans

**Synonyms:** atf-6(ok551) X.

**Notes:** F45E6.2. Homozygous. Outer Left Sequence: GGCGGGAGTTTAGGAGATTC. Outer Right Sequence: AAAGGCACGGAAATTGAGAA. Inner Left Sequence: AATGACCAGGAAATGTGGGA. Inner Right Sequence: AAGTGTC AATTGGCCAGTCC. Inner primer WT PCR product: 2983.|"Made\_by: OMRF Knockout Group"|"Mutagen:UV/TMP"|"Supplementary\_genotype atf-6(ok551)"|"Supplementary\_genotype atf-6(ok551) X"|"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:** WBGene00000222(atf-6)

**Genomic Alteration:** WBGene00000222(atf-6)

**Catalog Number:** WB-STRAIN:WBStrain00031485

**Database:** WormBase (WB)

**Database Abbreviation:** WB

**Availability:** available

**Source References:** [PMID:33495210](#), [PMID:33542359](#), [PMID:36924492](#), [PMID:37902464](#), [PMID:39436952](#)

**Alternate IDs:** WB-STRAIN:RB772, CGC\_RB772

**Organism Name:** RB772

**Record Creation Time:** 20230227T013616+0000

**Record Last Update:** 20260815T163138+0000

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## Ratings and Alerts

No rating or validation information has been found for RB772.

No alerts have been found for RB772.

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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 6 mentions in open access literature.

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

Rao R, et al. (2025) Inhibition of the UFD-1-NPL-4 complex triggers an aberrant immune response in *Caenorhabditis elegans*. *eLife*, 13.

Rao R, et al. (2025) Inhibition of the UFD-1-NPL-4 complex triggers an aberrant immune response in *Caenorhabditis elegans*. *bioRxiv* : the preprint server for biology.

Kawano T, et al. (2023) ER proteostasis regulators cell-non-autonomously control sleep. *Cell reports*, 42(3), 112267.

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.

Bischof LJ, et al. (2008) Activation of the unfolded protein response is required for defenses against bacterial pore-forming toxin in vivo. *PLoS pathogens*, 4(10), e1000176.