Resource Summary Report

Generated by SPARC SAWG on Aug 19, 2026

BR5271

RRID:WB-STRAIN:WBStrain00003902
Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00003902

Organism Information

URL: http://www.wormbase.org/db/get?name=WBStrain00003902

Proper Citation: RRID:WB-STRAIN:WBStrain00003902

Description: Caenorhabditis elegans with name byIs162. from WB.

Species: Caenorhabditis elegans

Synonyms: byIs162.

Notes: byIs162 [rab-3p::F3(delta)K280 I277P I380P + myo-2p::mCherry]. Pan-neuronal over-expression of the F3 pro aggregation fragment of the human Tau protein with K280 deleted and two isoleucines to proline substitutions in the hexapeptide motifs of the repeat region (line A). These mutations abrogate the aggregation, making this strain an anti-aggregation control for BR5270. Reference: Fatuouros C, et al. Hum Mol Genet. 2012 Aug 15;21(16):3587-603.|"byIs162 [rab-3p::F3(delta)K280 I277P I380P + myo-2p::mCherry]. Pan-neuronal overexpression of the F3 pro aggregation fragment of the human Tau protein with K280 deleted and two isoleucines to proline substitutions in the hexapeptide motifs of the repeat region (line A). These mutations abrogate the aggregation, making this strain an anti-aggregation control for BR5270. Reference: Fatuouros C, et al. Hum Mol Genet. 2012 Aug 15;21(16):3587-603."|"Made_by: C. Fatouros"|"Mutagen:Gamma radiation"

Catalog Number: WB-STRAIN:WBStrain00003902

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Source References: PMID:37549461, PMID:39149885

Alternate IDs: WB-STRAIN:BR5271, CGC_BR5271

Organism Name: BR5271

Record Creation Time: 20230227T013248+0000

Record Last Update: 20260815T162325+0000

Ratings and Alerts

No rating or validation information has been found for BR5271.

No alerts have been found for BR5271.

Data and Source Information

Source: Integrated Animals

Source Database: WormBase (WB)

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Deng L, et al. (2026) Targeted degradation of aberrant Tau for the discovery of Pulsatilla chinensis in Alzheimer's disease. Chinese medicine, 21(1).

Garzón-García L, et al. (2025) Neuroprotective Potential of the Flavonoids Quercetin and Epicatechin in a C. elegans Tauopathy Model. Molecular nutrition & food research, 69(15), e70108.

Araújo-Rodrigues H, et al. (2025) Neuroprotective Effects of Mushroom Biomass Digestive Fractions and Gut Microbiota Metabolites in Microglial and Caenorhabditis elegans Models of Neurodegeneration. Nutrients, 17(24).

Yong Y, et al. (2024) A novel ferroptosis inhibitor, Thonningianin A, improves Alzheimer's disease by activating GPX4. Theranostics, 14(16), 6161.