

Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 10, 2026

BR5270

RRID:WB-STRAIN:WBStrain00003901

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00003901

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00003901>

Proper Citation: RRID:WB-STRAIN:WBStrain00003901

Description: Caenorhabditis elegans with name byIs161. from WB.

Species: Caenorhabditis elegans

Synonyms: byIs161.

Notes: Associated protein: Human Pro-aggregating tau["byIs161 [rab-3p::F3(delta)K280 + myo-2p::mCherry]. Pan-neuronal over-expression of the F3 pro aggregation fragment of the human Tau protein with K280 deleted (line A). Integration site not mapped. Reference: Fatuouros C, et al. Hum Mol Genet. 2012 Aug 15;21(16):3587-603."["byIs161 [rab-3p::F3(delta)K280 + myo-2p::mCherry]. Pan-neuronal overexpression of the F3 pro aggregation fragment of the human Tau protein with K280 deleted (line A). Integration site not mapped. Reference: Fatuouros C, et al. Hum Mol Genet. 2012 Aug 15;21(16):3587-603."["Made_by: C. Fatouros"["Mutagen:Gamma radiation"["Transgene expression: Pan-neuronal + pharyngeal muscle (marker)"]"WBStrain provided so WBPaper00061894 paper added based on AFP_Strain data."]

Catalog Number: WB-STRAIN:WBStrain00003901

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Source References: [PMID:34496255](#), [PMID:37416472](#), [PMID:37549461](#), [PMID:39149885](#), [PMID:39212733](#)

Alternate IDs: WB-STRAIN:BR5270, CGC_BR5270

Organism Name: BR5270

Record Creation Time: 20230227T013248+0000

Record Last Update: 20260808T170749+0000

Ratings and Alerts

No rating or validation information has been found for BR5270.

No alerts have been found for BR5270.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: WormBase (WB)

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

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.