

Resource Summary Report

Generated by [RRID](#) on Aug 4, 2026

GRU102

RRID:WB-STRAIN:WBStrain00007980

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00007980

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00007980>

Proper Citation: RRID:WB-STRAIN:WBStrain00007980

Description: Caenorhabditis elegans with name gnals2 [myo-2p::YFP + unc-119p::Abeta1-42] from WB.

Species: Caenorhabditis elegans

Synonyms: gnals2 [myo-2p::YFP + unc-119p::Abeta1-42]

Notes: gnals2 [myo-2p::YFP + unc-119p::Abeta1-42]. Pan-neuronal amyloid beta1-42 expression. Impaired neuromuscular and sensorimotor behavior. See GRU101 for wild-type control strain. Reference: Fong S, et al. Sci Rep. 2016 Sep 22;6:33781. doi: 10.1038/srep33781.["Supplementary_genotype gnals2 [myo-2p::YFP + unc-119p::Abeta1-42],"[2020-10-08T19:09:27.569Z WBPperson324] Ressurect Strain: Genotype: gnals2 [myo-2p::YFP + unc-119p::humanAbeta1-42]][2020-10-08T23:35:51.358Z WBPperson324] Ressurect Strain: Genotype: gnals2 [myo-2p::YFP + unc-119p::Abeta1-42]

Affected Gene: WBGene00003514(myo-2)|WBGene00006843(unc-119)

Genomic Alteration: WBGene00003514(myo-2), WBGene00006843(unc-119)

Catalog Number: WB-STRAIN:WBStrain00007980

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Source References: [PMID:32088829](#), [PMID:37080524](#), [PMID:37838776](#), [PMID:39149885](#), [PMID:39329779](#)

Alternate IDs: WB-STRAIN:GRU102, CGC_GRU102

Organism Name: GRU102

Record Creation Time: 20230227T013319+0000

Record Last Update: 20260801T171227+0000

Ratings and Alerts

No rating or validation information has been found for GRU102.

No alerts have been found for GRU102.

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 [RRID](#) .

Zhao R, et al. (2025) CaMK modulates sensory neural activity to control longevity and proteostasis. *Proceedings of the National Academy of Sciences of the United States of America*, 122(20), e2423428122.

AlOkda A, et al. (2025) Cyrene: A Novel Geroprotective Compound that Extends Lifespan and Healthspan in *C. elegans* and *Drosophila*. *bioRxiv* : the preprint server for biology.

Mir DA, et al. (2024) Roles of progranulin and FRamides in neural versus non-neural tissues on dietary restriction-related longevity and proteostasis in *C. elegans*. *bioRxiv* : the preprint server for biology.