

Resource Summary Report

Generated by [NIF](#) on Aug 15, 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: 20260815T162444+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 5 mentions in open access literature.

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

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.

AlOkda A, et al. (2025) Cyrene: a novel geroprotective compound that extends lifespan and healthspan in C. elegans and Drosophila. npj aging, 12(1), 12.

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.

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.

Schiavi A, et al. (2023) Abl depletion via autophagy mediates the beneficial effects of quercetin against Alzheimer pathology across species. Cell death discovery, 9(1), 376.