

Resource Summary Report

Generated by [NIF](#) on Aug 21, 2026

GR2245

RRID:WB-STRAIN:WBStrain00007966

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00007966

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00007966>

Proper Citation: RRID:WB-STRAIN:WBStrain00007966

Description: Caenorhabditis elegans with name skn-1(mg570) IV. from WB.

Species: Caenorhabditis elegans

Synonyms: skn-1(mg570) IV.

Notes: Made_by: Nicholas Lehrbach|"Superficially wild-type"|"Supplementary_genotype skn-1(mg570) IV."|"WBStrain mapped, WBPaper00061439 added based on AFP_Strain data."

Affected Gene: WBGene00004804(skn-1)

Genomic Alteration: WBGene00004804(skn-1)

Catalog Number: WB-STRAIN:WBStrain00007966

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Source References: [PMID:34038721](#), [PMID:36924492](#), [PMID:38446031](#), [PMID:38790689](#), [PMID:39368088](#)

Alternate IDs: WB-STRAIN:GR2245, CGC_GR2245

Organism Name: GR2245

Record Creation Time: 20230227T013319+0000

Ratings and Alerts

No rating or validation information has been found for GR2245.

No alerts have been found for GR2245.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: WormBase (WB)

Usage and Citation Metrics

We found 8 mentions in open access literature.

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

Kim J, et al. (2024) A microbiota-derived metabolite, 3-phenyllactic acid, prolongs healthspan by enhancing mitochondrial function and stress resilience via SKN-1/ATFS-1 in *C. elegans*. *Nature communications*, 15(1), 10773.

Otarigho B, et al. (2024) Neuronal NPR-15 modulates molecular and behavioral immune responses via the amphid sensory neuron-intestinal axis in *C. elegans*. *eLife*, 12.

Grover M, et al. (2024) Proteasome inhibition triggers tissue-specific immune responses against different pathogens in *C. elegans*. *PLoS biology*, 22(3), e3002543.

Xiong A, et al. (2024) Presynaptic neurons self-tune by inversely coupling neurotransmitter release with the abundance of CaV2 voltage-gated Ca²⁺ channels. *Proceedings of the National Academy of Sciences of the United States of America*, 121(35), e2404969121.

Otarigho B, et al. (2023) Neuronal NPR-15 modulates molecular and behavioral immune responses via the amphid sensory neuron-intestinal axis in *C. elegans*. *bioRxiv : the preprint server for biology*.

Arellano Spadaro J, et al. (2023) 3'sialyllactose and 6'sialyllactose enhance performance in endurance-type exercise through metabolic adaptation. *Food science & nutrition*, 11(10), 6199.

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

Pu L, et al. (2023) Hypoxia induces food leaving in *C. elegans*. *microPublication biology*, 2023.