

Resource Summary Report

Generated by [NIF](#) on Jul 30, 2026

VC345

RRID:WB-STRAIN:WBStrain00035695

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00035695

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00035695>

Proper Citation: RRID:WB-STRAIN:WBStrain00035695

Description: Caenorhabditis elegans with name sgk-1(ok538) X. from WB.

Species: Caenorhabditis elegans

Synonyms: sgk-1(ok538) X.

Notes: Mutagen:UV/TMP|"This strain was provided by the C. elegans Reverse Genetics Core Facility at the University of British Columbia, which is part of the international C. elegans Gene Knockout Consortium, which should be acknowledged in any publications resulting from its use."|"W10G6.2. Superficially wild type."|"WBStrain provided so WBPaper00061869 paper added based on AFP_Strain data."

Affected Gene: WBGene00004789(sgk-1)

Genomic Alteration: WBGene00004789(sgk-1)

Catalog Number: WB-STRAIN:WBStrain00035695

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Alternate IDs: WB-STRAIN:VC345, CGC_VC345

Organism Name: VC345

Record Creation Time: 20230227T013648+0000

Record Last Update: 20260725T172402+0000

Ratings and Alerts

No rating or validation information has been found for VC345.

No alerts have been found for VC345.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: WormBase (WB)

Usage and Citation Metrics

We found 9 mentions in open access literature.

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

Kloock A, et al. (2025) Intestinal RICT-1 regulates the larval germline progenitor pool via the vitellogenin VIT-3 in *C. elegans*. bioRxiv : the preprint server for biology.

Farina F, et al. (2017) The stress response factor daf-16/FOXO is required for multiple compound families to prolong the function of neurons with Huntington's disease. Scientific reports, 7(1), 4014.

Zhu M, et al. (2015) Serum- and Glucocorticoid-Inducible Kinase-1 (SGK-1) Plays a Role in Membrane Trafficking in *Caenorhabditis elegans*. PLoS one, 10(6), e0130778.

Zhuang Z, et al. (2014) Adverse effects from clenbuterol and ractopamine on nematode *Caenorhabditis elegans* and the underlying mechanism. PLoS one, 9(1), e85482.

Staab TA, et al. (2014) Regulation of synaptic nlg-1/neuroigin abundance by the skn-1/Nrf stress response pathway protects against oxidative stress. PLoS genetics, 10(1), e1004100.

Chen AT, et al. (2013) Effects of *Caenorhabditis elegans* sgk-1 mutations on lifespan, stress resistance, and DAF-16/FoxO regulation. Aging cell, 12(5), 932.

Yen K, et al. (2010) A comparative study of fat storage quantitation in nematode *Caenorhabditis elegans* using label and label-free methods. PLoS one, 5(9).

Chen CS, et al. (2010) WWP-1 is a novel modulator of the DAF-2 insulin-like signaling network involved in pore-forming toxin cellular defenses in *Caenorhabditis elegans*. PLoS one, 5(3), e9494.

Jones KT, et al. (2009) Rictor/TORC2 regulates *Caenorhabditis elegans* fat storage, body size, and development through sgk-1. PLoS biology, 7(3), e60.