Resource Summary Report

Generated by nidm-terms on Aug 11, 2026

VC8

RRID:WB-STRAIN:WBStrain00035480
Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00035480

Organism Information

URL: http://www.wormbase.org/db/get?name=WBStrain00035480

Proper Citation: RRID:WB-STRAIN:WBStrain00035480

Description: Caenorhabditis elegans with name jnk-1(gk7) IV. from WB.

Species: Caenorhabditis elegans

Synonyms: jnk-1(gk7) IV.

Notes: B0478.1. Superficially wild type.|"Made_by: Vancouver KO Group"|"Mutagen: Formaldehyde"|"Reference WBPaper00059256 added based on published strain data identified by Textpresso literature search."|"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."

Affected Gene: WBGene00002178(jnk-1)

Genomic Alteration: WBGene00002178(jnk-1)

Catalog Number: WB-STRAIN:WBStrain00035480

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Source References: PMID:32010481, PMID:32978396, PMID:37310929, PMID:38573858

Alternate IDs: WB-STRAIN:VC8, CGC_VC8

Organism Name: VC8

Record Creation Time: 20230227T013647+0000

Record Last Update: 20260808T171503+0000

Ratings and Alerts

No rating or validation information has been found for VC8.

No alerts have been found for VC8.

Data and Source Information

Source: Integrated Animals

Source Database: WormBase (WB)

Usage and Citation Metrics

We found 16 mentions in open access literature.

Listed below are recent publications. The full list is available at nidm-terms .

Balaguer F, et al. (2023) Bifidobacterium animalis subsp. lactis BPL1™ and Its Lipoteichoic Acid Modulate Longevity and Improve Age/Stress-Related Behaviors in Caenorhabditis elegans. Antioxidants (Basel, Switzerland), 12(12).

Yang R, et al. (2022) The p38 MAPK/PMK-1 Pathway Is Required for Resistance to Nocardia farcinica Infection in Caenorhabditis elegance. Pathogens (Basel, Switzerland), 11(10).

Keskinidou C, et al. (2022) Mechanistic Understanding of Lung Inflammation: Recent Advances and Emerging Techniques. Journal of inflammation research, 15, 3501.

Beaudoin-Chabot C, et al. (2022) The unfolded protein response reverses the effects of glucose on lifespan in chemically-sterilized C. elegans. Nature communications, 13(1), 5889.

Mazzoli A, et al. (2021) JNK1 ablation improves pancreatic ?-cell mass and function in db/db diabetic mice without affecting insulin sensitivity and adipose tissue inflammation. FASEB bioAdvances, 3(2), 94.

Tsay TB, et al. (2021) Mechanical ventilation enhances Acinetobacter baumannii-induced lung injury through JNK pathways. Respiratory research, 22(1), 159.

Jahn A, et al. (2020) Statins Induce a DAF-16/Foxo-dependent Longevity Phenotype via JNK-1 through Mevalonate Depletion in C. elegans. Aging and disease, 11(1), 60.

Bianco JN, et al. (2018) MPK-1/ERK pathway regulates DNA damage response during development through DAF-16/FOXO. Nucleic acids research, 46(12), 6129.

Zhao X, et al. (2017) JNK1 negatively controls antifungal innate immunity by suppressing CD23 expression. Nature medicine, 23(3), 337.

Sato T, et al. (2017) c-Jun N-terminal kinase in pancreatic tumor stroma augments tumor development in mice. Cancer science, 108(11), 2156.

Drube S, et al. (2015) Subthreshold IKK activation modulates the effector functions of primary mast cells and allows specific targeting of transformed mast cells. Oncotarget, 6(7), 5354.

Yao W, et al. (2014) C-Jun N-terminal kinase (JNK) isoforms play differing roles in otitis media. BMC immunology, 15, 46.

Amini N, et al. (2014) Requirement of JNK1 for endothelial cell injury in atherogenesis. Atherosclerosis, 235(2), 613.

Rui T, et al. (2013) IL-33 attenuates anoxia/reoxygenation-induced cardiomyocyte apoptosis by inhibition of PKC?/JNK pathway. PloS one, 8(2), e56089.

Li X, et al. (2012) Oxidative stress-induced JNK1/2 activation triggers proapoptotic signaling and apoptosis that leads to diabetic embryopathy. Diabetes, 61(8), 2084.

Wang XM, et al. (2006) Caveolin-1: a critical regulator of lung fibrosis in idiopathic pulmonary fibrosis. The Journal of experimental medicine, 203(13), 2895.