

Resource Summary Report

Generated by [PRECISE-TBI](#) on Jul 30, 2026

VC220

RRID:WB-STRAIN:WBStrain00035593

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00035593

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00035593>

Proper Citation: RRID:WB-STRAIN:WBStrain00035593

Description: *Caenorhabditis elegans* with name cmk-1(ok287) IV; gkDf56 Y102A5C.36(gk3558) V. from WB.

Species: *Caenorhabditis elegans*

Synonyms: cmk-1(ok287) IV; gkDf56 Y102A5C.36(gk3558) V.

Notes: Mutagen:UV/TMP|"This strain is homozygous for a deletion (ok287) in K07A9.2, detectable by PCR using the following primers. External left primer: CAGTGCCTTTAGGGCTTGAG. External right primer: GGGGTACTGTGGCTGAAAAA. Internal left primer: TAAATCAAACGCCCTTGGA. Internal right primer: AAACGAAAACCCGGAGAAAT. Internal WT amplicon: 2970 bp. Deletion size: 1921 bp. Deletion left flank: TGCCTAGGATCTGGGGTAGGCCTAGGATCTGGGGTAGGCCTAGGATCTGGGGTAGGCCTAGGATCTGGGGTAGGCCTAGGATC. Deletion right flank: GAAATACGGCGTACACACACGATATTACG. Validation: ok287 passed by CGH. Other deletions (gkDf56 and gk3558) identified by CGH."|"This strain is homozygous for a deletion (ok287) in K07A9.2, detectable by PCR using the following primers. External left primer: CAGTGCCTTTAGGGCTTGAG. External right primer: GGGGTACTGTGGCTGAAAAA. Internal left primer: TAAATCAAACGCCCTTGGA. Internal right primer: AAACGAAAACCCGGAGAAAT. Internal WT amplicon: 2970 bp. Deletion size: 1921 bp. Deletion left flank: TGCCTAGGATCTGGGGTAGGCCTAGGATCTGGGGTAGGCCTAGGATCTGGGGTAGGCCTAGGATC. Deletion right flank: GAAATACGGCGTACACACACGATATTACG. Validation: ok287 passed by CGH. Other deletions (gkDf56 and gk3558) identified by CGH."|"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: WBGene00000553(cmk-1)|WBGene00044213(Y102A5C.36)

Genomic Alteration: WBGene00000553(cmk-1), WBGene00044213(Y102A5C.36)

Catalog Number: WB-STRAIN:WBStrain00035593

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Alternate IDs: WB-STRAIN:VC220, CGC_VC220

Organism Name: VC220

Record Creation Time: 20230227T013647+0000

Record Last Update: 20260725T172401+0000

Ratings and Alerts

No rating or validation information has been found for VC220.

No alerts have been found for VC220.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: WormBase (WB)

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Xue W, et al. (2025) Calcium levels in ASER neurons determine behavioral valence by engaging distinct neuronal circuits in *C. elegans*. *Nature communications*, 16(1), 1814.

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.

Ippolito D, et al. (2021) Ca²⁺/CaM binding to CaMKI promotes IMA-3 importin binding and nuclear translocation in sensory neurons to control behavioral adaptation. *eLife*, 10.

Park D, et al. (2017) A conserved neuronal DAF-16/FoxO plays an important role in conveying pheromone signals to elicit repulsion behavior in *Caenorhabditis elegans*. *Scientific reports*, 7(1), 7260.