

Resource Summary Report

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EU828

RRID:WB-STRAIN:WBStrain00007309

Type: Organism

Proper Citation

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Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00007309>

Proper Citation: RRID:WB-STRAIN:WBStrain00007309

Description: Caenorhabditis elegans with name dhc-1(or195) I. from WB.

Species: Caenorhabditis elegans

Synonyms: dhc-1(or195) I.

Notes: Homozygous or195 hermaphrodites make 100% dead embryos at 26C. One-cell embryo has a very small but bipolar spindle, severe chromosome segregation defect. Maintain at 15C. Previously called spd-4. 2/06: From Bruce Bowerman: The or195 mutation changes base 10,679 of the cosmid clone T21E12 from a C to a T. This corresponds to dhc-1 cDNA nucleotide 9599 (WS153), which is the center nucleotide of codon 3200. This codon changes from Serine in N2 to Leucine in or195 (S3200L). Note: this is not the same mutation for or195ts that we reported in Hamill et al, 2002(Dev Cell 3, 673-684). The mutation reported in our paper is not present in this strain. We apologize for the confusion. The pairs dhc-11a,b amplify the mutated fragment in dhc-1(or195). The mutation is near the center of this fragment; a clean (gel purified) DNA prep helps get a good read of it. dhc-11b: 5' aacagacgcacgattgacct 3'. dhc-11a: 5' ctcaaatcaaggaaggagct 3'. PCR conditions: 5 min at 94 degrees C; 30 sec at 94 degrees C; 30 sec at 55 degrees C; 1 min at 72 degrees C. 35 Cycles using Taq polymerase."Supplementary_genotype dhc-1(or195) I"

Affected Gene: WBGene00000962(dhc-1)

Genomic Alteration: WBGene00000962(dhc-1)

Catalog Number: WB-STRAIN:WBStrain00007309

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Source References: [PMID:37603562](#)

Alternate IDs: WB-STRAIN:EU828, CGC_EU828

Organism Name: EU828

Record Creation Time: 20230227T013314+0000

Record Last Update: 20260912T181105+0000

Ratings and Alerts

No rating or validation information has been found for EU828.

No alerts have been found for EU828.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: WormBase (WB)

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Puri D, et al. (2023) Muscleblind-1 interacts with tubulin mRNAs to regulate the microtubule cytoskeleton in *C. elegans* mechanosensory neurons. *PLoS genetics*, 19(8), e1010885.