

Resource Summary Report

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dhc-1(lt45[dhc-1::GFP]) I; ltSi953 II; unc-119(ed3) III.

RRID:WB-STRAIN:WBStrain00054699

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00054699

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00054699>

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Description: Caenorhabditis elegans with name dhc-1(lt45[dhc-1::GFP]) I; ltSi953 II; unc-119(ed3) III. from WB.

Species: Caenorhabditis elegans

Synonyms: dhc-1(lt45[dhc-1::GFP]) I; ltSi953 II; unc-119(ed3) III.

Notes: ltSi953 [mec-18p::vhhGFP4::ZIF-1::operon-linker::mKate2::tbb-2 3'UTR + Cbr-unc-119(+)] II. GFP tag inserted into the C-terminus of the endogenous dhc-1 locus using CRISPR-Cas9 engineering. Tissue-specific expression of GFP nanobody::ZIF-1 fusion promotes ubiquitylation and subsequent degradation of GFP-tagged dhc-1 protein in touch receptor neurons. Touch receptor neurons are red labeled with mKate2. Reference: Development. 2017 Jul 15;144(14):2694-2701. PMID: 28619826.

Affected Gene: WBGene00000962(dhc-1)|WBGene00006843(unc-119)

Genomic Alteration: WBGene00000962(dhc-1), WBGene00006843(unc-119)

Catalog Number: WB-STRAIN:WBStrain00054699

Database: WormBase (WB)

Database Abbreviation: WB

Availability: unknown

Organism Name: dhc-1(lt45[dhc-1::GFP]) I; ltSi953 II; unc-119(ed3) III.

Record Creation Time: 20240716T202603+0000

Record Last Update: 20260829T162840+0000

Ratings and Alerts

No rating or validation information has been found for *dhc-1(lt45[dhc-1::GFP]) I; ltSi953 II; unc-119(ed3) III..*

No alerts have been found for *dhc-1(lt45[dhc-1::GFP]) I; ltSi953 II; unc-119(ed3) III..*

Data and Source Information

Source: [Integrated Animals](#)

Source Database: WormBase (WB)

Usage and Citation Metrics

We have not found any literature mentions for this resource.