

Resource Summary Report

Generated by [NIF](#) on Jul 31, 2026

ogt-1(dr20) III; drls4 IV; drEx471.

RRID:WB-STRAIN:WBStrain00050443

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00050443

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00050443>

Proper Citation: RRID:WB-STRAIN:WBStrain00050443

Description: Caenorhabditis elegans with name ogt-1(dr20) III; drls4 IV; drEx471. from WB.

Species: Caenorhabditis elegans

Synonyms: ogt-1(dr20) III; drls4 IV; drEx471.

Notes: drls4 [gpdh-1p::GFP + col-12p::DsRed] IV. drEx471 [myo-3p::ogt-1(cDNA)::ogt-1 3'UTR + rol-6(su1006)]. Pick Rollers to maintain. Muscle-specific expression of OGT-1 provides tissue-specific rescue in ogt-1(dr20) presumptive null background. gpdh-1p::GFP is not induced during hypertonic stress. Constitutive col-12p::DsRed expression.

Reference: Urso SJ, et al. (2020). The O-GlcNAc transferase OGT is a conserved and essential regulator of the cellular and organismal response to hypertonic stress. bioRxiv, 2020.2005.2001.072033.|"Generated from papers flagged positive during the last month for data type afp_otherstrain and contains genotype and gene data."|"Made_by: Sarel Urso"

Affected Gene: WBGene00003858(ogt-1)

Genomic Alteration: WBGene00003858(ogt-1)

Catalog Number: WB-STRAIN:WBStrain00050443

Database: WormBase (WB)

Database Abbreviation: WB

Availability: unknown

Source References: [PMID:33006972](#)

Organism Name: ogt-1(dr20) III; drIs4 IV; drEx471.

Record Creation Time: 20230227T013840+0000

Record Last Update: 20260725T172719+0000

Ratings and Alerts

No rating or validation information has been found for ogt-1(dr20) III; drIs4 IV; drEx471..

No alerts have been found for ogt-1(dr20) III; drIs4 IV; drEx471..

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.