

Resource Summary Report

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[twnEx185.](#)

RRID:WB-STRAIN:WBStrain00062534

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00062534

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00062534>

Proper Citation: RRID:WB-STRAIN:WBStrain00062534

Description: Caenorhabditis elegans with name twnEx185. from WB.

Species: Caenorhabditis elegans

Synonyms: twnEx185.

Notes: twnEx185 [mec-7p::MTS::roGFP + mec-7p::TOMM20::mCherry + ttx-3p::GFP]. Pick animals with GFP expression in head neurons (AIY) to maintain. roGFP can be used to monitor redox status of the mitochondrial matrix in the six touch receptor neurons: the oxidation-reduction status of mitochondrial matrix can be monitored with roGFP, a GFP variant that increases brightness in a more oxidized environment. The mitochondrial outer membrane in these neurons are marked by mCherry. Reference: Jiang HC, et al. Proc Natl Acad Sci USA. 2015 Jul 14;112(28):8768-73. doi: 10.1073/pnas.1501831112. PMID: 26124107. [NOTE: twnEx185 is incorrectly described as carrying myo-2p::GFP in the reference publication. The correct co-injection marker is ttx-3::GFP.]

Catalog Number: WB-STRAIN:WBStrain00062534

Database: WormBase (WB)

Database Abbreviation: WB

Availability: unknown

Organism Name: twnEx185.

Record Creation Time: 20250827T213345+0000

Record Last Update: 20260905T115942+0000

Ratings and Alerts

No rating or validation information has been found for twnEx185..

No alerts have been found for twnEx185..

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.