

Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 16, 2026

PE255

RRID:WB-STRAIN:WBStrain00030634

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00030634

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00030634>

Proper Citation: RRID:WB-STRAIN:WBStrain00030634

Description: Caenorhabditis elegans with name fels5 X. from WB.

Species: Caenorhabditis elegans

Synonyms: fels5 X.

Notes: fels5 [sur-5p::luciferase::GFP + rol-6(su1006)] X. Rollers. Strain is bioluminescent when provided with exogenous D-luciferin (potassium salt) due to sur-5 promoter driving expression of firefly (Photinus pyralis) luciferase (lacking the peroxisome tagging signal) fused in-frame to GFP(S65C). Pick animals with high levels of fluorescence to retain expression of luciferase transgene. This strain is for academic use only. This strain cannot be distributed to commercial organizations. This strain cannot be used for any commercial purpose or for work on human subjects. References: Lagido C, et al. BMC Physiol. 2008 Apr 2;8:7. McLaggan D, et al. PLoS One. 2012;7(10):e46503. Lagido C, et al. Toxicol Sci. 2009 May;109(1):88-95.["WBStrain mapped, WBPaper00059997 added based on AFP_Strain data."

Catalog Number: WB-STRAIN:WBStrain00030634

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Source References: [PMID:32687264](#), [PMID:33188857](#), [PMID:38594249](#), [PMID:39519157](#)

Alternate IDs: WB-STRAIN:PE255, CGC_PE255

Organism Name: PE255

Record Creation Time: 20230227T013610+0000

Record Last Update: 20260815T163123+0000

Ratings and Alerts

No rating or validation information has been found for PE255.

No alerts have been found for PE255.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: WormBase (WB)

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Faroud Lopez R, et al. (2025) Lithium nickel manganese cobalt oxide particles cause developmental neurotoxicity in *Caenorhabditis elegans*. *Environmental science. Advances*, 4(11), 1767.

Moreno A, et al. (2023) Examining Sporadic Cancer Mutations Uncovers a Set of Genes Involved in Mitochondrial Maintenance. *Genes*, 14(5).