

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 30, 2026

pLZ31 (pCFJ151_Peft-3_TIR1_linker_mRuby_unc-54 3'UTR)

RRID:Addgene_71720

Type: Plasmid

Proper Citation

RRID:Addgene_71720

Plasmid Information

URL: <http://www.addgene.org/71720>

Proper Citation: RRID:Addgene_71720

Insert Name: TRANSPORT INHIBITOR RESPONSE 1

Organism: Arabidopsis thaliana

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:26552885](#)

Vector Backbone Description: Backbone Size:7373; Vector Backbone:pCFJ151; Vector Types:Worm Expression; Bacterial Resistance:Ampicillin

Comments: Please note: eft-3 has officially been changed to eef-1A.1 Please see the eef-1A.1 WormBase entry for details:
http://www.wormbase.org/species/c_elegans/gene/WBGene00001168#05-9g-3

Plasmid Name: pLZ31 (pCFJ151_Peft-3_TIR1_linker_mRuby_unc-54 3'UTR)

Relevant Mutation: codon-optimized for expression in C. elegans; Two point mutations D170E and M473L incorporated

Record Creation Time: 20220422T222441+0000

Record Last Update: 20260829T080945+0000

Ratings and Alerts

No rating or validation information has been found for pLZ31 (pCFJ151_Peft-3_TIR1_linker_mRuby_unc-54 3'UTR).

No alerts have been found for pLZ31 (pCFJ151_Peft-3_TIR1_linker_mRuby_unc-54 3'UTR).

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 9 mentions in open access literature.

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

Smith HJ, et al. (2023) Neuronal mTORC1 inhibition promotes longevity without suppressing anabolic growth and reproduction in *C. elegans*. *PLoS genetics*, 19(9), e1010938.

Ho J, et al. (2023) Actin and CDC-42 contribute to nuclear migration through constricted spaces in *C. elegans*. *Development (Cambridge, England)*, 150(19).

Negishi T, et al. (2022) The auxin-inducible degron 2 (AID2) system enables controlled protein knockdown during embryogenesis and development in *Caenorhabditis elegans*. *Genetics*, 220(2).

Kurashina M, et al. (2021) Sustained expression of unc-4 homeobox gene and unc-37/Groucho in postmitotic neurons specifies the spatial organization of the cholinergic synapses in *C. elegans*. *eLife*, 10.

Zou L, et al. (2019) Construction of a germline-specific RNAi tool in *C. elegans*. *Scientific reports*, 9(1), 2354.

Kasimatis KR, et al. (2018) Auxin-Mediated Sterility Induction System for Longevity and Mating Studies in *Caenorhabditis elegans*. *G3 (Bethesda, Md.)*, 8(8), 2655.

Wirshing ACE, et al. (2018) Spectrin regulates cell contractility through production and maintenance of actin bundles in the *Caenorhabditis elegans* spermatheca. *Molecular biology of the cell*, 29(20), 2433.

Ho J, et al. (2018) Characterizing Dynein's Role in P-cell Nuclear Migration using an Auxin-Induced Degradation System. *microPublication biology*, 2018.

Liu P, et al. (2017) Antidromic-rectifying gap junctions amplify chemical transmission at functionally mixed electrical-chemical synapses. *Nature communications*, 8, 14818.