

Resource Summary Report

Generated by [NIF](#) on Aug 21, 2026

pCFJ601 - Peft-3 Mos1 transposase

RRID:Addgene_34874

Type: Plasmid

Proper Citation

RRID:Addgene_34874

Plasmid Information

URL: <http://www.addgene.org/34874>

Proper Citation: RRID:Addgene_34874

Insert Name: Mos1 transpoase

Organism: Caenorhabditis elegans

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:22290181](#)

Vector Backbone Description: Vector Backbone:pDESTR4-R3; Vector Types:Worm targeting; 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: pCFJ601 - Peft-3 Mos1 transposase

Record Creation Time: 20220422T222148+0000

Record Last Update: 20260815T081403+0000

Ratings and Alerts

No rating or validation information has been found for pCFJ601 - Peft-3 Mos1 transposase.

No alerts have been found for pCFJ601 - Peft-3 Mos1 transposase.

Data and Source Information

Usage and Citation Metrics

We found 20 mentions in open access literature.

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

Boström AH, et al. (2026) Auxin-inducible degradation of UNC-116 in *C. elegans* inhibits bidirectional dense core vesicle transport and worm locomotion on different timescales. *Journal of cell science*, 139(6).

Keszthelyi TM, et al. (2025) The MEC-2E isoform with a large C-terminal completely rescues the touch sensation defect of *C. elegans*. *Scientific reports*, 15(1), 26606.

Donato A, et al. (2025) OSP-1 protects neurons from autophagic cell death induced by acute oxidative stress. *Nature communications*, 16(1), 300.

Gao Y, et al. (2025) A dataset of expression profile of certain microRNAs in *Caenorhabditis elegans*. *Scientific data*, 12(1), 1143.

Schreier J, et al. (2025) A genetic framework for RNAi inheritance in *Caenorhabditis elegans*. *EMBO reports*, 26(16), 4072.

Lyu H, et al. (2024) Functional distinction in oncogenic Ras variant activity in *Caenorhabditis elegans*. *Disease models & mechanisms*, 17(8).

Xu W, et al. (2024) A lineage-resolved cartography of microRNA promoter activity in *C. elegans* empowers multidimensional developmental analysis. *Nature communications*, 15(1), 2783.

Zhang R, et al. (2023) Maternal aging increases offspring adult body size via transmission of donut-shaped mitochondria. *Cell research*, 33(11), 821.

Haruta N, et al. (2023) A germline-specific role for unconventional components of the γ -tubulin complex in *Caenorhabditis elegans*. *Journal of cell science*, 136(13).

van Schendel R, et al. (2021) Preservation of lagging strand integrity at sites of stalled replication by Pol γ -primase and 9-1-1 complex. *Science advances*, 7(21).

Coakley S, et al. (2020) Epidermal control of axonal attachment via γ -spectrin and the GTPase-activating protein TBC-10 prevents axonal degeneration. *Nature communications*, 11(1), 133.

Wang S, et al. (2019) A high-content imaging approach to profile *C. elegans* embryonic development. *Development (Cambridge, England)*, 146(7).

Pereira C, et al. (2018) Self-Assembly of the RZZ Complex into Filaments Drives Kinetochore Expansion in the Absence of Microtubule Attachment. *Current biology : CB*, 28(21), 3408.

D'Alessandro M, et al. (2018) CRELD1 is an evolutionarily-conserved maturational enhancer of ionotropic acetylcholine receptors. *eLife*, 7.

Uebel CJ, et al. (2018) Distinct regions of the intrinsically disordered protein MUT-16 mediate assembly of a small RNA amplification complex and promote phase separation of Mutator foci. *PLoS genetics*, 14(7), e1007542.

Fernández-Cárdenas LP, et al. (2017) *Caenorhabditis elegans* ATPase inhibitor factor 1 (IF1) MAI-2 preserves the mitochondrial membrane potential ($\Delta\psi$) and is important to induce germ cell apoptosis. *PloS one*, 12(8), e0181984.

Reddy KC, et al. (2017) An Intracellular Pathogen Response Pathway Promotes Proteostasis in *C. elegans*. *Current biology : CB*, 27(22), 3544.

Bolková J, et al. (2016) Live imaging reveals spatial separation of parental chromatin until the four-cell stage in *Caenorhabditis elegans* embryos. *The International journal of developmental biology*, 60(1-3), 5.

Gnazzo MM, et al. (2016) The RNA-binding protein ATX-2 regulates cytokinesis through PAR-5 and ZEN-4. *Molecular biology of the cell*, 27(20), 3052.

Kim HS, et al. (2014) The DDN catalytic motif is required for Metnase functions in non-homologous end joining (NHEJ) repair and replication restart. *The Journal of biological chemistry*, 289(15), 10930.