

Resource Summary Report

Generated by [NIF](#) on Aug 29, 2026

pDD122 (Peft-3::Cas9 + ttTi5605 sgRNA)

RRID:Addgene_47550

Type: Plasmid

Proper Citation

RRID:Addgene_47550

Plasmid Information

URL: <http://www.addgene.org/47550>

Proper Citation: RRID:Addgene_47550

Insert Name: Cas9

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:23995389](#)

Vector Backbone Description: Backbone Size:2300; Vector Backbone:pCFJ601; Vector Types:Worm Expression, CRISPR; Bacterial Resistance:Ampicillin

Comments: For more information on Goldstein Lab CRISPR Plasmids please refer to: <http://www.addgene.org/crispr/Goldstein/> gRNA target sequence atatcagtctgtttcgtaa 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: pDD122 (Peft-3::Cas9 + ttTi5605 sgRNA)

Relevant Mutation: Codon optimized and with synthetic introns for C. elegans

Record Creation Time: 20220422T222245+0000

Record Last Update: 20260829T080608+0000

Ratings and Alerts

No rating or validation information has been found for pDD122 (Peft-3::Cas9 + ttTi5605 sgRNA).

No alerts have been found for pDD122 (Peft-3::Cas9 + ttTi5605 sgRNA).

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 [NIF](#) .

Garcia-Sanchez JA, et al. (2025) Evolutionary conserved regulation of TFEB stability by the E3 ubiquitin ligase WWP2 modulates response to stress in vivo. *iScience*, 28(2), 111838.

Kenny-Ganzert IW, et al. (2025) Specialized high-capacity mitochondria fuel cell invasion. *bioRxiv : the preprint server for biology*.

Fang J, et al. (2024) Endocytosis restricts dendrite branching via removing ectopically localized branching ligands. *Nature communications*, 15(1), 9651.

Bland T, et al. (2024) Optimized PAR-2 RING dimerization mediates cooperative and selective membrane binding for robust cell polarity. *The EMBO journal*, 43(15), 3214.

Zhang P, et al. (2023) Architecture of the cortical actomyosin network driving apical constriction in *C. elegans*. *The Journal of cell biology*, 222(9).

Park K, et al. (2023) Reciprocal discoidin domain receptor signaling strengthens integrin adhesion to connect adjacent tissues. *eLife*, 12.

Abrams J, et al. (2021) A polarity pathway for exocyst-dependent intracellular tube extension. *eLife*, 10.

Li T, et al. (2021) P5A ATPase controls ER translocation of Wnt in neuronal migration. *Cell reports*, 37(4), 109901.

Chen D, et al. (2019) Endogenous expression of UNC-59/Septin in *C. elegans*. *microPublication biology*, 2019.