

Resource Summary Report

Generated by [dkNET](#) on Aug 23, 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: 20260815T081543+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 [dkNET](#) .

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

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.

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.