

Resource Summary Report

Generated by [dkNET](#) on Aug 19, 2026

Peft-3::cas9-SV40_NLS::tbb-2 3'UTR

RRID:Addgene_46168

Type: Plasmid

Proper Citation

RRID:Addgene_46168

Plasmid Information

URL: <http://www.addgene.org/46168>

Proper Citation: RRID:Addgene_46168

Insert Name: codon optimized Cas9_SV40 NLS with intron

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:23817069](#)

Vector Backbone Description: Backbone Size:2641; Vector Backbone:pUC57; Vector Types:CRISPR; 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: Peft-3::cas9-SV40_NLS::tbb-2 3'UTR

Relevant Mutation: intron inserted at position 3113-3163, and SV40 NLS inserted from position 5192-5227

Record Creation Time: 20220422T222238+0000

Record Last Update: 20260815T081529+0000

Ratings and Alerts

No rating or validation information has been found for Peft-3::cas9-SV40_NLS::tbb-2 3'UTR.

No alerts have been found for Peft-3::cas9-SV40_NLS::tbb-2 3'UTR.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 47 mentions in open access literature.

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

Zhao JM, et al. (2026) The ubiquitin-proteasome pathway mediates selective degradation of unloaded Argonaute proteins in *C. elegans*. *Genetics*, 232(3).

Norizuki T, et al. (2026) BCAS-3 is required for the progression of autophagosome formation to degrade paternal mitochondria in *Caenorhabditis elegans*. *iScience*, 29(7), 116345.

Jarosińska OD, et al. (2026) LGL-1 and the RhoGAP protein PAC-1 redundantly polarize the *C. elegans* embryonic epidermis. *bioRxiv : the preprint server for biology*.

van der Salm E, et al. (2025) SunTag-Based Single-Molecule Translation Imaging in *Caenorhabditis elegans*. *Bio-protocol*, 15(20), e5486.

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.

van der Salm E, et al. (2025) Measuring and manipulating localized translation of *erm-1* in the *C. elegans* embryo. *Development (Cambridge, England)*, 152(10).

Matúš D, et al. (2024) The N terminus-only (trans) function of the adhesion G protein-coupled receptor latrophilin-1 controls multiple processes in reproduction of *Caenorhabditis elegans*. *G3 (Bethesda, Md.)*, 14(11).

Kurashina M, et al. (2023) Targeting endogenous proteins for spatial and temporal knockdown using auxin-inducible degron in *Caenorhabditis elegans*. *STAR protocols*, 4(1), 102028.

Sepers JJ, et al. (2022) ERM-1 Phosphorylation and NRFL-1 Redundantly Control Lumen Formation in the *C. elegans* Intestine. *Frontiers in cell and developmental biology*, 10, 769862.

Nguyen DAH, et al. (2021) Arginine methylation promotes siRNA-binding specificity for a spermatogenesis-specific isoform of the Argonaute protein CSR-1. *Nature communications*, 12(1), 4212.

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.

Rommelzwaal S, et al. (2021) BBLN-1 is essential for intermediate filament organization and apical membrane morphology. *Current biology : CB*, 31(11), 2334.

Riga A, et al. (2021) *Caenorhabditis elegans* LET-413 Scribble is essential in the epidermis for growth, viability, and directional outgrowth of epithelial seam cells. *PLoS genetics*, 17(10), e1009856.

Manage KI, et al. (2020) A tudor domain protein, SIMR-1, promotes siRNA production at piRNA-targeted mRNAs in *C. elegans*. *eLife*, 9.

Culp E, et al. (2020) Genome editing in the nematode *Caenorhabditis briggsae* using the CRISPR/Cas9 system. *Biology methods & protocols*, 5(1), bpaa003.

Castiglioni VG, et al. (2020) Epidermal PAR-6 and PKC-3 are essential for larval development of *C. elegans* and organize non-centrosomal microtubules. *eLife*, 9.

Téllez-Arreola JL, et al. (2020) MCTP-1 modulates neurotransmitter release in *C. elegans*. *Molecular and cellular neurosciences*, 107, 103528.

van der Vaart A, et al. (2020) Dose-dependent functions of SWI/SNF BAF in permitting and inhibiting cell proliferation in vivo. *Science advances*, 6(21), eaay3823.

Loucks CM, et al. (2019) EFHC1, implicated in juvenile myoclonic epilepsy, functions at the cilium and synapse to modulate dopamine signaling. *eLife*, 8.

Lu M, et al. (2019) Gradient-independent Wnt signaling instructs asymmetric neurite pruning in *C. elegans*. *eLife*, 8.