

Resource Summary Report

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

pRB1017

RRID:Addgene_59936

Type: Plasmid

Proper Citation

RRID:Addgene_59936

Plasmid Information

URL: <http://www.addgene.org/59936>

Proper Citation: RRID:Addgene_59936

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:25161212](#)

Vector Backbone Description: Vector Backbone:pRB1017; Vector Types:Worm Expression, CRISPR; Bacterial Resistance:Kanamycin

Plasmid Name: pRB1017

Record Creation Time: 20220422T222345+0000

Record Last Update: 20260829T080801+0000

Ratings and Alerts

No rating or validation information has been found for pRB1017.

No alerts have been found for pRB1017.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 22 mentions in open access literature.

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

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

Özdemir I, et al. (2025) *sqt-3(sc63)* is an alternative CRISPR/Cas9 co-conversion marker in *Caenorhabditis elegans*. *microPublication biology*, 2025.

Li Y, et al. (2025) SDS-22 stabilizes GSP-1/-2 PP1 subunits contributing to polarity establishment in *C. elegans* embryos. *EMBO reports*, 26(24), 6240.

Turan MG, et al. (2025) ARL13B regulates juxtaposed cilia-cilia elongation in *BBSome* dependent manner in *Caenorhabditis elegans*. *iScience*, 28(2), 111791.

Kimmich MJ, et al. (2024) FHOD-1 and profilin protect sarcomeres against contraction-induced deformation in *C. elegans*. *Molecular biology of the cell*, 35(11), ar137.

Kimmich MJ, et al. (2024) FHOD-1/profilin-mediated actin assembly protects sarcomeres against contraction-induced deformation in *C. elegans*. *bioRxiv : the preprint server for biology*.

Pir MS, et al. (2024) CilioGenics: an integrated method and database for predicting novel ciliary genes. *Nucleic acids research*, 52(14), 8127.

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.

Memar N, et al. (2022) In vivo labeling of endogenous genomic loci in *C. elegans* using CRISPR/dCas9. *microPublication biology*, 2022.

Anazawa Y, et al. (2022) De novo mutations in KIF1A-associated neuronal disorder (KAND) dominant-negatively inhibit motor activity and axonal transport of synaptic vesicle precursors. *Proceedings of the National Academy of Sciences of the United States of America*, 119(32), e2113795119.

Moseley-Aldredge M, et al. (2022) A role for the Erk MAPK pathway in modulating SAX-7/L1CAM-dependent locomotion in *Caenorhabditis elegans*. *Genetics*, 220(2).

Knapp-Wilson A, et al. (2021) Maintenance of complex I and its supercomplexes by NDUF-11 is essential for mitochondrial structure, function and health. *Journal of cell science*, 134(13).

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.

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

Uebel C, et al. (2019) Phase-separated protein dynamics are affected by fluorescent tag choice. *microPublication biology*, 2019.

Chiba K, et al. (2019) Disease-associated mutations hyperactivate KIF1A motility and anterograde axonal transport of synaptic vesicle precursors. *Proceedings of the National Academy of Sciences of the United States of America*, 116(37), 18429.

Svendsen JM, et al. (2019) henn-1/HEN1 Promotes Germline Immortality in *Caenorhabditis elegans*. *Cell reports*, 29(10), 3187.

Link J, et al. (2018) Transient and Partial Nuclear Lamina Disruption Promotes Chromosome Movement in Early Meiotic Prophase. *Developmental cell*, 45(2), 212.

Obinata H, et al. (2018) Streptothricin acetyl transferase 2 (Sat2): A dominant selection marker for *Caenorhabditis elegans* genome editing. *PloS one*, 13(5), e0197128.

Han B, et al. (2018) Polo-like Kinase Couples Cytoplasmic Protein Gradients in the *C. elegans* Zygote. *Current biology : CB*, 28(1), 60.