

Resource Summary Report

Generated by [NIF](#) on Sep 10, 2026

PU6::unc-119_sgRNA

RRID:Addgene_46169

Type: Plasmid

Proper Citation

RRID:Addgene_46169

Plasmid Information

URL: <http://www.addgene.org/46169>

Proper Citation: RRID:Addgene_46169

Insert Name: unc-119 targeting sgRNA

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: gRNA target sequence GAATTTTCTGAAATTAAAGA

Plasmid Name: PU6::unc-119_sgRNA

Record Creation Time: 20220422T222238+0000

Record Last Update: 20260905T075701+0000

Ratings and Alerts

No rating or validation information has been found for PU6::unc-119_sgRNA.

No alerts have been found for PU6::unc-119_sgRNA.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 29 mentions in open access literature.

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

Sawa H, et al. (2025) Differential functions of multiple Wnts and receptors in cell polarity regulation in *C. elegans*. *bioRxiv* : the preprint server for biology.

Mathies LD, et al. (2024) PBRM-1/PBAF-regulated genes in a multipotent progenitor in *Caenorhabditis elegans*. *G3* (Bethesda, Md.), 14(3).

Wu Y, et al. (2024) Polarized localization of kinesin-1 and RIC-7 drives axonal mitochondria anterograde transport. *The Journal of cell biology*, 223(5).

Shimizu T, et al. (2024) A cytidine deaminase regulates axon regeneration by modulating the functions of the *Caenorhabditis elegans* HGF/plasminogen family protein SVH-1. *PLoS genetics*, 20(7), e1011367.

Wu Y, et al. (2023) Polarized localization of kinesin-1 and RIC-7 drives axonal mitochondria anterograde transport. *bioRxiv* : the preprint server for biology.

Mathies LD, et al. (2022) New alleles of the SWI/SNF chromatin remodeling complex gene *phf-10*. *microPublication biology*, 2022.

Goetsch PD, et al. (2022) DREAM interrupted: severing LIN-35-MuvB association in *Caenorhabditis elegans* impairs DREAM function but not its chromatin localization. *Genetics*, 221(3).

Zhang X, et al. (2021) MiniCAFE, a CRISPR/Cas9-based compact and potent transcriptional activator, elicits gene expression in vivo. *Nucleic acids research*, 49(7), 4171.

Zein-Sabatto H, et al. (2021) The type II integral ER membrane protein VAP-B homolog in *C. elegans* is cleaved to release the N-terminal MSP domain to signal non-cell-autonomously. *Developmental biology*, 470, 10.

Ihara S, et al. (2021) N-terminally endogenous mKate2-tagged HIM-4 in *Caenorhabditis elegans*. *microPublication biology*, 2021.

Singh R, et al. (2021) Reduction of Derlin activity suppresses Notch-dependent tumours in the *C. elegans* germ line. *PLoS genetics*, 17(9), e1009687.

Dietz S, et al. (2021) The double-stranded DNA-binding proteins TEBP-1 and TEBP-2 form a telomeric complex with POT-1. *Nature communications*, 12(1), 2668.

Kuo CJ, et al. (2020) IGLR-2, a Leucine-Rich Repeat Domain Containing Protein, Is Required for the Host Defense in *Caenorhabditis elegans*. *Frontiers in immunology*, 11, 561337.

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

Cabral G, et al. (2019) Differential Requirements for Centrioles in Mitotic Centrosome Growth and Maintenance. *Developmental cell*, 50(3), 355.

Narimatsu T, et al. (2019) New allele of *C. elegans* gene *pign-1*, named as *xyz11*. *microPublication biology*, 2019.

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.

Aoki I, et al. (2018) SLO potassium channels antagonize premature decision making in *C. elegans*. *Communications biology*, 1, 123.

Chen X, et al. (2018) Rap2 and TNIK control Plexin-dependent tiled synaptic innervation in *C. elegans*. *eLife*, 7.

Raman P, et al. (2017) The double-stranded RNA binding protein RDE-4 can act cell autonomously during feeding RNAi in *C. elegans*. *Nucleic acids research*, 45(14), 8463.