

Resource Summary Report

Generated by [NIF](#) on Sep 17, 2026

PU6::klp-12_sgRNA

RRID:Addgene_46170

Type: Plasmid

Proper Citation

RRID:Addgene_46170

Plasmid Information

URL: <http://www.addgene.org/46170>

Proper Citation: RRID:Addgene_46170

Insert Name: klp-12 targeting sgRNA

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:23817069](#)

Vector Backbone Description: Backbone Size:2641; Vector Backbone:pUC57; Vector Types:Worm Expression, CRISPR; Bacterial Resistance:Ampicillin

Comments: gRNA target sequence GATCCACAAGTTACAATTGG

Plasmid Name: PU6::klp-12_sgRNA

Record Creation Time: 20220422T222238+0000

Record Last Update: 20260912T092743+0000

Ratings and Alerts

No rating or validation information has been found for PU6::klp-12_sgRNA.

No alerts have been found for PU6::klp-12_sgRNA.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Dello Stritto MR, et al. (2022) The topoisomerase 3 zinc finger domain cooperates with the RMI1 scaffold to promote stable association of the BTR complex to recombination intermediates in the *Caenorhabditis elegans* germline. *Nucleic acids research*, 50(10), 5652.

Maurya AK, et al. (2019) A CCRK and a MAK Kinase Modulate Cilia Branching and Length via Regulation of Axonemal Microtubule Dynamics in *Caenorhabditis elegans*. *Current biology : CB*, 29(8), 1286.

Baskoylu SN, et al. (2018) Single copy/knock-in models of ALS SOD1 in *C. elegans* suggest loss and gain of function have different contributions to cholinergic and glutamatergic neurodegeneration. *PLoS genetics*, 14(10), e1007682.

Sorka?? A, et al. (2016) In Vivo Modelling of ATP1A3 G316S-Induced Ataxia in *C. elegans* Using CRISPR/Cas9-Mediated Homologous Recombination Reveals Dominant Loss of Function Defects. *PloS one*, 11(12), e0167963.

Farboud B, et al. (2015) Dramatic enhancement of genome editing by CRISPR/Cas9 through improved guide RNA design. *Genetics*, 199(4), 959.

Luallen RJ, et al. (2015) Characterization of microsporidia-induced developmental arrest and a transmembrane leucine-rich repeat protein in *Caenorhabditis elegans*. *PloS one*, 10(4), e0124065.

Calarco JA, et al. (2015) Creating Genome Modifications in *C. elegans* Using the CRISPR/Cas9 System. *Methods in molecular biology (Clifton, N.J.)*, 1327, 59.