

Resource Summary Report

Generated by [FDI Lab - SciCrunch.org](http://FDILab-SciCrunch.org) on May 9, 2025

pCS2-nCas9n

RRID:Addgene_47929

Type: Plasmid

Proper Citation

RRID:Addgene_47929

Plasmid Information

URL: <http://www.addgene.org/47929>

Proper Citation: RRID:Addgene_47929

Insert Name: nls-zcas9-nls

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:23918387](https://pubmed.ncbi.nlm.nih.gov/23918387/)

Vector Backbone Description: Backbone Size:4100; Vector Backbone:pCS2+; Vector Types:Mammalian Expression, CRISPR; Bacterial Resistance:Ampicillin

Comments: Note from depositor: Although this plasmid produces smaller transcripts in addition to the expected one, the product mixture displays activity comparable to that from pT3TS-nCas9n. For more information on Chen and Wentz Lab CRISPR Plasmids please refer to: <http://www.addgene.org/crispr/Chen/>

Plasmid Name: pCS2-nCas9n

Record Creation Time: 20220422T222246+0000

Record Last Update: 20220422T224209+0000

Ratings and Alerts

No rating or validation information has been found for pCS2-nCas9n.

No alerts have been found for pCS2-nCas9n.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 16 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Simsek MF, et al. (2024) The vertebrate segmentation clock drives segmentation by stabilizing Dusp phosphatases in zebrafish. *Developmental cell*.

Torraca V, et al. (2024) Transcriptional profiling of zebrafish identifies host factors controlling susceptibility to *Shigella flexneri*. *Disease models & mechanisms*, 17(1).

Kozmik Z, et al. (2024) Ancestral role of Pax6 in chordate brain regionalization. *Frontiers in cell and developmental biology*, 12, 1431337.

Li W, et al. (2024) Genetic Inactivation of the $\alpha 1$ adrenergic receptor prevents Cerebral Cavernous Malformations in zebrafish. *bioRxiv : the preprint server for biology*.

Xia J, et al. (2024) Inhibition of PIKfyve Leads to Lysosomal Disorders via Dysregulation of mTOR Signaling. *Cells*, 13(11).

Chu WK, et al. (2023) Infertility control of transgenic fluorescent zebrafish with targeted mutagenesis of the *dnd1* gene by CRISPR/Cas9 genome editing. *Frontiers in genetics*, 14, 1029200.

D'Agostino Y, et al. (2022) Loss of circadian rhythmicity in *bdnf* knockout zebrafish larvae. *iScience*, 25(4), 104054.

Oppel F, et al. (2022) p53 Pathway Inactivation Drives SMARCB1-deficient p53-wildtype Epithelioid Sarcoma Onset Indicating Therapeutic Vulnerability Through MDM2 Inhibition. *Molecular cancer therapeutics*, 21(11), 1689.

Biswas S, et al. (2021) β -Protocadherins regulate neural progenitor cell division by antagonizing Ryk and Wnt/ β -catenin signaling. *iScience*, 24(8), 102932.

Fleming TJ, et al. (2021) CRISPR/Cas9 mutagenesis reveals a role for ABCB1 in gut immune responses to *Vibrio diazotrophicus* in sea urchin larvae. *The Journal of experimental biology*, 224(7).

Zinani OQH, et al. (2021) Pairing of segmentation clock genes drives robust pattern formation. *Nature*, 589(7842), 431.

Li W, et al. (2021) Abortive intussusceptive angiogenesis causes multi-cavernous vascular malformations. *eLife*, 10.

García-Poyatos C, et al. (2020) Scaf1 promotes respiratory supercomplexes and metabolic efficiency in zebrafish. *EMBO reports*, 21(7), e50287.

Nagashima M, et al. (2020) Midkine-a Is Required for Cell Cycle Progression of Müller Glia during Neuronal Regeneration in the Vertebrate Retina. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 40(6), 1232.

Opri?oreanu AM, et al. (2019) Interaction of Axonal Chondrolectin with Collagen XIXa1 Is Necessary for Precise Neuromuscular Junction Formation. *Cell reports*, 29(5), 1082.

Liedtke D, et al. (2019) ECM alterations in Fndc3a (Fibronectin Domain Containing Protein 3A) deficient zebrafish cause temporal fin development and regeneration defects. *Scientific reports*, 9(1), 13383.