

Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 10, 2025

pT3TS-nCas9n

RRID:Addgene_46757

Type: Plasmid

Proper Citation

RRID:Addgene_46757

Plasmid Information

URL: <http://www.addgene.org/46757>

Proper Citation: RRID:Addgene_46757

Insert Name: Cas9

Organism: Synthetic

Bacterial Resistance: Ampicillin

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

Vector Backbone Description: Backbone Size:2800; Vector Backbone:pT3T7; Vector Types:Bacterial Expression, CRISPR; Bacterial Resistance:Ampicillin

Comments: For more information on Chen and Wente Lab CRISPR Plasmids please refer to: <http://www.addgene.org/crispr/Chen/>

Plasmid Name: pT3TS-nCas9n

Record Creation Time: 20220422T222241+0000

Record Last Update: 20220422T224145+0000

Ratings and Alerts

No rating or validation information has been found for pT3TS-nCas9n.

No alerts have been found for pT3TS-nCas9n.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 28 mentions in open access literature.

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

Hua Y, et al. (2025) Novel Transgenic Zebrafish Lines to Study the CHRNA3-B4-A5 Gene Cluster. *Developmental neurobiology*, 85(1), e22956.

Schevenels G, et al. (2024) A brain-specific angiogenic mechanism enabled by tip cell specialization. *Nature*, 628(8009), 863.

Prykhozhij SV, et al. (2024) miR-34a is a tumor suppressor in zebrafish and its expression levels impact metabolism, hematopoiesis and DNA damage. *PLoS genetics*, 20(5), e1011290.

Jeong I, et al. (2024) The evolutionarily conserved choroid plexus contributes to the homeostasis of brain ventricles in zebrafish. *Cell reports*, 43(6), 114331.

Benichou E, et al. (2024) The transcription factor ChREBP Orchestrates liver carcinogenesis by coordinating the PI3K/AKT signaling and cancer metabolism. *Nature communications*, 15(1), 1879.

Lee KH, et al. (2024) Complimentary vertebrate Wac models exhibit phenotypes relevant to DeSanto-Shinawi Syndrome. *bioRxiv : the preprint server for biology*.

Shepherdson JL, et al. (2024) Variants in ZFX are associated with an X-linked neurodevelopmental disorder with recurrent facial gestalt. *American journal of human genetics*, 111(3), 487.

Tayran H, et al. (2024) ABCA7-dependent induction of neuropeptide Y is required for synaptic resilience in Alzheimer's disease through BDNF/NGFR signaling. *Cell genomics*, 4(9), 100642.

Spikol ED, et al. (2024) Genetically defined nucleus incertus neurons differ in connectivity and function. *eLife*, 12.

Özcan GG, et al. (2024) Genetic and chemical disruption of amyloid precursor protein processing impairs zebrafish sleep maintenance. *iScience*, 27(2), 108870.

Rayamajhi D, et al. (2024) The forkhead transcription factor Foxj1 controls vertebrate olfactory cilia biogenesis and sensory neuron differentiation. *PLoS biology*, 22(1), e3002468.

Campbell CA, et al. (2024) p65 signaling dynamics drive the developmental progression of

hematopoietic stem and progenitor cells through cell cycle regulation. *Nature communications*, 15(1), 7787.

Chang NC, et al. (2024) Gag proteins encoded by endogenous retroviruses are required for zebrafish development. *bioRxiv : the preprint server for biology*.

Ming Z, et al. (2024) Lineage labeling with zebrafish hand2 Cre and CreERT2 recombinase CRISPR knock-ins. *bioRxiv : the preprint server for biology*.

Liu F, et al. (2022) Cre/lox regulated conditional rescue and inactivation with zebrafish UFlip alleles generated by CRISPR-Cas9 targeted integration. *eLife*, 11.

Willoughby PM, et al. (2022) Correction: The recycling endosome protein Rab25 coordinates collective cell movements in the zebrafish surface epithelium. *eLife*, 11.

Murugesan SN, et al. (2022) Butterfly eyespots evolved via cooption of an ancestral gene-regulatory network that also patterns antennae, legs, and wings. *Proceedings of the National Academy of Sciences of the United States of America*, 119(8).

Weiss A, et al. (2022) Zn-regulated GTPase metalloprotein activator 1 modulates vertebrate zinc homeostasis. *Cell*, 185(12), 2148.

America M, et al. (2022) An integrated model for Gpr124 function in Wnt7a/b signaling among vertebrates. *Cell reports*, 39(9), 110902.

Miles A, et al. (2021) Usher syndrome type 1-associated gene, *pcdh15b*, is required for photoreceptor structural integrity in zebrafish. *Disease models & mechanisms*, 14(12).