

Resource Summary Report

Generated by [dkNET](#) on Jul 28, 2026

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](#)

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: 20260725T074736+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 129 mentions in open access literature.

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

Ming Z, et al. (2025) Lineage labeling with zebrafish hand2 Cre and CreERT2 recombinase CRISPR knock-ins. *Developmental dynamics : an official publication of the American Association of Anatomists*.

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

Herget U, et al. (2025) Pth4 neurons define a novel hypothalamic circuit that promotes sleep via brainstem monoaminergic neurons. *bioRxiv : the preprint server for biology*.

Zhang X, et al. (2025) Endogenous acrolein accumulation in akr7a3 mutants causes microvascular dysfunction due to increased arachidonic acid metabolism. *Redox biology*, 83, 103639.

Ter Horst S, et al. (2025) The Dissemination of Rift Valley Fever Virus to the Eye and Sensory Neurons of Zebrafish Larvae Is Stat1-Dependent. *Viruses*, 17(1).

LaBelle J, et al. (2025) Endodermal cells use contact inhibition of locomotion to achieve uniform cell dispersal during zebrafish gastrulation. *iScience*, 28(12), 114144.

Richter A, et al. (2025) The master male sex determinant Gdf6Y of the turquoise killifish arose through allelic neofunctionalization. *Nature communications*, 16(1), 540.

Kanai SM, et al. (2025) The Gq/11 family of G α subunits is necessary and sufficient for lower jaw development. *Development (Cambridge, England)*, 152(8).

Kobar K, et al. (2025) tp53 R217H and R242H mutant zebrafish exhibit dysfunctional p53 hallmarks and recapitulate Li-Fraumeni syndrome phenotypes. *Biochimica et biophysica acta. Molecular basis of disease*, 1871(3), 167612.

Wang J, et al. (2025) p21, ccng1, foxo3b, and fbwx7 contribute to p53-dependent cell cycle arrest. *iScience*, 28(6), 112558.

Perlee S, et al. (2025) Identifying in vivo genetic dependencies of melanocyte and melanoma development. *eLife*, 13.

Miles A, et al. (2025) The homeobox gene, dmbx1a, is required for the development and maintenance of bipolar and photoreceptor cells in the zebrafish retina. *Experimental eye research*, 110809.

Mumme-Monheit A, et al. (2025) A quadratic paradigm describes the relationship between phenotype severity and variation. *Nature communications*, 16(1), 8154.

Zhang R, et al. (2024) HIF signaling overactivation inhibits lateral line neuromast development through Wnt in zebrafish. *Gene*, 898, 148077.

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

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

Prykhodzij 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.

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.

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

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.