

Resource Summary Report

Generated by [NIF](#) on Aug 11, 2026

pT7-gRNA

RRID:Addgene_46759

Type: Plasmid

Proper Citation

RRID:Addgene_46759

Plasmid Information

URL: <http://www.addgene.org/46759>

Proper Citation: RRID:Addgene_46759

Insert Name: gRNA core

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:23918387](#)

Vector Backbone Description: Backbone Size:2400; Vector Backbone:pUC19; Vector Types:CRISPR, zebrafish expression; 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: pT7-gRNA

Record Creation Time: 20220422T222241+0000

Record Last Update: 20260808T081725+0000

Ratings and Alerts

No rating or validation information has been found for pT7-gRNA.

No alerts have been found for pT7-gRNA.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 68 mentions in open access literature.

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

Lardennois A, et al. (2026) Two distinct modes of Vgll4-mediated Tead regulation control organ size in zebrafish. *Communications biology*, 9(1).

Rai MN, et al. (2025) Efficient mutagenesis and genotyping of maize inbreds using biolistics, multiplex CRISPR/Cas9 editing, and Indel-Selective PCR. *Plant methods*, 21(1), 43.

Hsu CW, et al. (2025) Single-cell transcriptomes of zebrafish germline reveal progenitor types and feminization by Foxl2l. *eLife*, 14.

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

Li W, et al. (2025) Genetic inactivation of the $\alpha 1$ adrenergic receptor prevents cerebral cavernous malformations in zebrafish. *eLife*, 13.

Zhang H, et al. (2025) The oncogene protein kinase PIM1 regulates mammalian erythroblast enucleation. *Communications biology*, 8(1), 1473.

Bassi I, et al. (2024) Endolysosomal dysfunction in radial glia progenitor cells leads to defective cerebral angiogenesis and compromised blood-brain barrier integrity. *Nature communications*, 15(1), 8158.

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*.

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

Confino S, et al. (2024) A deleterious variant of INTS1 leads to disrupted sleep-wake cycles. *Disease models & mechanisms*, 17(8).

Giardoglou P, et al. (2023) Cfdp1 Is Essential for Cardiac Development and Function. *Cells*, 12(15).

Parab S, et al. (2023) Local angiogenic interplay of Vegfc/d and Vegfa controls brain region-specific emergence of fenestrated capillaries. *eLife*, 12.

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

Khrystoforova I, et al. (2022) Zebrafish mutants reveal unexpected role of Lrp5 in osteoclast regulation. *Frontiers in endocrinology*, 13, 985304.

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

Chen XK, et al. (2021) 1-phenyl 2-thiourea (PTU) activates autophagy in zebrafish embryos. *Autophagy*, 17(5), 1222.

Moss JJ, et al. (2021) Autophagy coordinates chondrocyte development and early joint formation in zebrafish. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 35(11), e22002.

Shochat C, et al. (2021) Deletion of SREBF1, a Functional Bone-Muscle Pleiotropic Gene, Alters Bone Density and Lipid Signaling in Zebrafish. *Endocrinology*, 162(1).

Templehof H, et al. (2021) Zebrafish mutants provide insights into Apolipoprotein B functions during embryonic development and pathological conditions. *JCI insight*, 6(13).

Torregrosa-Carrión R, et al. (2021) Adhesion G protein-coupled receptor Gpr126/Adgrg6 is essential for placental development. *Science advances*, 7(46), eabj5445.