

Resource Summary Report

Generated by [PRECISE-TBI](#) on Sep 1, 2026

pZT-AAVS1-R1

RRID:Addgene_52638

Type: Plasmid

Proper Citation

RRID:Addgene_52638

Plasmid Information

URL: <http://www.addgene.org/52638>

Proper Citation: RRID:Addgene_52638

Insert Name: Right AAVS1 TALEN

Organism: Synthetic

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:24833591](#)

Vector Backbone Description: Vector Backbone:pZT; Vector Types:Mammalian Expression, TALEN; Bacterial Resistance:Kanamycin

Comments: pZT-AAVS1-R1 TALEN was assembled using RVD monomers from Golden Gate TALEN kit 1.0 (TALEN Kit #1000000016) and a mammalian TALEN expression vector pZT.

Plasmid Name: pZT-AAVS1-R1

Record Creation Time: 20220422T222309+0000

Record Last Update: 20260829T080651+0000

Ratings and Alerts

No rating or validation information has been found for pZT-AAVS1-R1.

No alerts have been found for pZT-AAVS1-R1.

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 [PRECISE-TBI](#) .

Jin M, et al. (2026) Neurogenin-2 Reprograms Human Microglial Lineage Cells into Neurons In Vitro and in Chimeric Brains. bioRxiv : the preprint server for biology.

Qiao A, et al. (2024) Doxycycline-Mediated Control of Cyclin D2 Overexpression in Human-Induced Pluripotent Stem Cells. International journal of molecular sciences, 25(16).

Nandy K, et al. (2023) Efficient gene editing in induced pluripotent stem cells enabled by an inducible adenine base editor with tunable expression. Scientific reports, 13(1), 21953.

Ijee S, et al. (2023) Efficient deletion of microRNAs using CRISPR/Cas9 with dual guide RNAs. Frontiers in molecular biosciences, 10, 1295507.

Thamodaran V, et al. (2022) Gene Editing in Human Induced Pluripotent Stem Cells Using Doxycycline-Inducible CRISPR-Cas9 System. Methods in molecular biology (Clifton, N.J.), 2454, 755.

Cerbini T, et al. (2015) Transfection, selection, and colony-picking of human induced pluripotent stem cells TALEN-targeted with a GFP gene into the AAVS1 safe harbor. Journal of visualized experiments : JoVE(96).

Luo Y, et al. (2014) Generation of GFP Reporter Human Induced Pluripotent Stem Cells Using AAVS1 Safe Harbor Transcription Activator-Like Effector Nuclease. Current protocols in stem cell biology, 29, 5A.7.1.