

Resource Summary Report

Generated by [RRID](#) on Aug 19, 2026

[AAVS1-TALEN-R](#)

RRID:Addgene_59026

Type: Plasmid

Proper Citation

RRID:Addgene_59026

Plasmid Information

URL: <http://www.addgene.org/59026>

Proper Citation: RRID:Addgene_59026

Insert Name: AAVS1-TALEN-R

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:24931489](#)

Vector Backbone Description: Backbone Marker:Feng Zhang Lab; Backbone Size:7961; Vector Backbone:pTALEN; Vector Types:Mammalian Expression, AAV, TALEN; Bacterial Resistance:Ampicillin

Plasmid Name: AAVS1-TALEN-R

Record Creation Time: 20220422T222340+0000

Record Last Update: 20260815T081720+0000

Ratings and Alerts

No rating or validation information has been found for AAVS1-TALEN-R.

No alerts have been found for AAVS1-TALEN-R.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 57 mentions in open access literature.

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

Teo HK, et al. (2026) Healthy donor T cell receptors expand functional neoantigen recognition beyond patient vaccination. *Science advances*, 12(16), eadz1156.

Zhang X, et al. (2026) Human pancreatic progenitor organoids define genetic and epigenetic barriers to early PDAC transformation. *Developmental cell*, 61(6), 1190.

Morshed N, et al. (2026) iAstrocytes model cytokine influences on complement expression and neuronal network synchronization. *bioRxiv : the preprint server for biology*.

Saurat N, et al. (2026) Genome-wide CRISPR screen identifies neddylation as a regulator of neuronal aging and AD neurodegeneration. *Cell stem cell*, 33(2), 355.

Maestas MM, et al. (2026) Whole-genome CRISPR screening identifies genetic modifiers of stem cell-derived islet transplantation. *Stem cells translational medicine*, 15(4).

Manoharan T, et al. (2026) Identification of immunogenic neoantigens from intron retention in colorectal cancer. *Scientific reports*, 16(1).

Pang W, et al. (2026) Protocol for the generation of human medullary spinal trigeminal nucleus-like organoids and trigeminothalamic assembloids. *STAR protocols*, 7(3), 104705.

Holloway K, et al. (2025) Elevated p16Ink4a Expression Enhances Tau Phosphorylation in Neurons Differentiated From Human-Induced Pluripotent Stem Cells. *Aging cell*, 24(5), e14472.

Muñoz-Estrada J, et al. (2025) Extended NGN2 Expression in iPSCs Dramatically Enhances Purity of Neuronal Cultures. *bioRxiv : the preprint server for biology*.

Gähwiler EKN, et al. (2025) Combining genome and tissue engineering for next-generation human biomimetics. *Stem cells translational medicine*, 14(11).

Chang J, et al. (2025) High-Throughput Screening to Identify Novel Compounds Affecting the Genome Editing Efficiency of CRISPR System. *Molecules (Basel, Switzerland)*, 30(8).

Ay M, et al. (2025) A novel "chassis" PSC line for precise safe harbor site integration via selection-aided RMCE. *Stem cell research*, 87, 103758.

Novikov NM, et al. (2025) NHSL3 controls single and collective cell migration through two distinct mechanisms. *Nature communications*, 16(1), 205.

Yin Y, et al. (2025) Generation of self-organized neuromusculoskeletal tri-tissue organoids from human pluripotent stem cells. *Cell stem cell*, 32(1), 157.

Pandey GK, et al. (2024) Liver regulatory mechanisms of noncoding variants at lipid and metabolic trait loci. *HGG advances*, 5(2), 100275.

Barra JM, et al. (2024) Combinatorial genetic engineering strategy for immune protection of stem cell-derived beta cells by chimeric antigen receptor regulatory T cells. *Cell reports*,

43(11), 114994.

Gilmore RB, et al. (2024) Identifying key underlying regulatory networks and predicting targets of orphan C/D box SNORD116 snoRNAs in Prader-Willi syndrome. *Nucleic acids research*, 52(22), 13757.

Ren Y, et al. (2024) Circular RNA as a source of neoantigens for cancer vaccines. *Journal for immunotherapy of cancer*, 12(3).

Feng Y, et al. (2024) BRD9-SMAD2/3 Orchestrates Stemness and Tumorigenesis in Pancreatic Ductal Adenocarcinoma. *Gastroenterology*, 166(1), 139.

Figarol S, et al. (2024) Farnesyltransferase inhibition overcomes oncogene-addicted non-small cell lung cancer adaptive resistance to targeted therapies. *Nature communications*, 15(1), 5345.