

Resource Summary Report

Generated by [NIF](#) on Jul 29, 2026

hAAVS1 TALEN Left

RRID:Addgene_52341

Type: Plasmid

Proper Citation

RRID:Addgene_52341

Plasmid Information

URL: <http://www.addgene.org/52341>

Proper Citation: RRID:Addgene_52341

Insert Name: AAVS1 TALEN Left

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:24497442](#)

Vector Backbone Description: Backbone Marker:Keith Joung lab (Addgene Plasmid # 32290) ; Backbone Size:6447; Vector Backbone:JDS78; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: Addgene's sequencing results identified a partial duplication within the TALEN repeat region of this plasmid relative to the expected sequence. The depositing lab confirmed that the plasmid functions as described in the associated publication.

Plasmid Name: hAAVS1 TALEN Left

Record Creation Time: 20220422T222307+0000

Record Last Update: 20260725T074821+0000

Ratings and Alerts

No rating or validation information has been found for hAAVS1 TALEN Left.

No alerts have been found for hAAVS1 TALEN Left.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 8 mentions in open access literature.

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

Ashmore-Harris C, et al. (2025) Gene editing enables non-invasive in?vivo PET imaging of human induced pluripotent stem cell-derived liver bud organoids. Molecular therapy. Methods & clinical development, 33(1), 101406.

Chen X, et al. (2025) Human iPSC-derived microglial cells protect neurons from neurodegeneration in long-term cultured adhesion brain organoids. Communications biology, 8(1), 30.

Lindenhofer D, et al. (2025) Functional phenotyping of genomic variants using joint multiomic single-cell DNA-RNA sequencing. Nature methods, 22(10), 2032.

Yan W, et al. (2025) Human stem cell-derived A10 dopaminergic neurons specifically integrate into mouse circuits and improve depression-like behaviors. Cell stem cell, 32(9), 1457.

McLean ZL, et al. (2024) Splice modulators target PMS1 to reduce somatic expansion of the Huntington's disease-associated CAG repeat. Nature communications, 15(1), 3182.

McLean ZL, et al. (2023) PMS1 as a target for splice modulation to prevent somatic CAG repeat expansion in Huntington's disease. bioRxiv : the preprint server for biology.

Harley P, et al. (2023) Aberrant axon initial segment plasticity and intrinsic excitability of ALS hiPSC motor neurons. Cell reports, 42(12), 113509.

Xiong M, et al. (2021) Human Stem Cell-Derived Neurons Repair Circuits and Restore Neural Function. Cell stem cell, 28(1), 112.