

Resource Summary Report

Generated by [NIF](#) on Aug 1, 2026

gRNA_AAVS1-T1

RRID:Addgene_41817

Type: Plasmid

Proper Citation

RRID:Addgene_41817

Plasmid Information

URL: <http://www.addgene.org/41817>

Proper Citation: RRID:Addgene_41817

Insert Name: gRNA_AAVS1-T1

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:23287722](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Vector Backbone:pCR-Blunt II-TOPO; Vector Types:Mammalian Expression, CRISPR; Bacterial Resistance:Kanamycin

Comments: gRNA target sequence GTCCCCTCCACCCCACAGTG

Plasmid Name: gRNA_AAVS1-T1

Record Creation Time: 20220422T222216+0000

Record Last Update: 20260725T074655+0000

Ratings and Alerts

No rating or validation information has been found for gRNA_AAVS1-T1.

No alerts have been found for gRNA_AAVS1-T1.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 13 mentions in open access literature.

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

Ra EA, et al. (2023) Optogenetic induction of alpha-synuclein aggregation in human dopaminergic neurons to model Parkinson's disease pathology. STAR protocols, 4(4), 102609.

Mariano NC, et al. (2023) Inducible Protein Degradation as a Strategy to Identify Phosphoprotein Phosphatase 6 Substrates in RAS-Mutant Colorectal Cancer Cells. Molecular & cellular proteomics : MCP, 22(8), 100614.

Kim MS, et al. (2023) Advanced human iPSC-based preclinical model for Parkinson's disease with optogenetic alpha-synuclein aggregation. Cell stem cell, 30(7), 973.

Manceau L, et al. (2022) Divergent transcriptional and transforming properties of PAX3-FOXO1 and PAX7-FOXO1 paralogs. PLoS genetics, 18(5), e1009782.

Burke PC, et al. (2022) A nascent peptide code for translational control of mRNA stability in human cells. Nature communications, 13(1), 6829.

Choi IY, et al. (2021) Novel culture system via wirelessly controllable optical stimulation of the FGF signaling pathway for human and pig pluripotency. Biomaterials, 269, 120222.

Naumann JA, et al. (2018) SN-38 Conjugated Gold Nanoparticles Activated by Ewing Sarcoma Specific mRNAs Exhibit In Vitro and In Vivo Efficacy. Bioconjugate chemistry, 29(4), 1111.

Tsuchiya Y, et al. (2016) Effect of Multiple Clock Gene Ablations on the Circadian Period Length and Temperature Compensation in Mammalian Cells. Journal of biological rhythms, 31(1), 48.

Chavez A, et al. (2015) Highly efficient Cas9-mediated transcriptional programming. Nature methods, 12(4), 326.

Kiani S, et al. (2015) Cas9 gRNA engineering for genome editing, activation and repression. Nature methods, 12(11), 1051.

Tsuchiya Y, et al. (2015) Disruption of MeCP2 attenuates circadian rhythm in CRISPR/Cas9-based Rett syndrome model mouse. Genes to cells : devoted to molecular & cellular mechanisms, 20(12), 992.

Davidson L, et al. (2014) 3' end formation of pre-mRNA and phosphorylation of Ser2 on the RNA polymerase II CTD are reciprocally coupled in human cells. Genes & development, 28(4), 342.

Zhang JH, et al. (2014) Improving the specificity and efficacy of CRISPR/CAS9 and gRNA through target specific DNA reporter. Journal of biotechnology, 189, 1.