

Resource Summary Report

Generated by [dkNET](#) on Aug 22, 2026

AAVS1-Neo-M2rtTA

RRID:Addgene_60843

Type: Plasmid

Proper Citation

RRID:Addgene_60843

Plasmid Information

URL: <http://www.addgene.org/60843>

Proper Citation: RRID:Addgene_60843

Insert Name: M2rtTA

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:20508142](#)

Vector Backbone Description: Backbone Size:8516; Vector Backbone:N/A; Vector Types:targeting donor; Bacterial Resistance:Ampicillin

Plasmid Name: AAVS1-Neo-M2rtTA

Record Creation Time: 20220422T222349+0000

Record Last Update: 20260815T081736+0000

Ratings and Alerts

No rating or validation information has been found for AAVS1-Neo-M2rtTA.

No alerts have been found for AAVS1-Neo-M2rtTA.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 21 mentions in open access literature.

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

Neve B, et al. (2026) Long non-coding RNA UCA1 modulates SMARCA2-containing SWI/SNF chromatin remodeling complexes in human colorectal cancer. *iScience*, 29(1), 114283.

Chang X, et al. (2025) ZMYND11 functions in bimodal regulation of latent genes and brain-like splicing to safeguard corticogenesis. *Nature communications*, 16(1), 9010.

Viushkov VS, et al. (2025) The Influence of Cohesin on the Short-Scale Dynamics of Intact and Damaged Chromatin in Different Phases of the Cell Cycle. *International journal of molecular sciences*, 26(18).

Nadtochy JA, et al. (2025) Transgenic iPSC Lines with Genetically Encoded MitoTimer to Study Mitochondrial Biogenesis in Dopaminergic Neurons with Tauopathy. *Biomedicines*, 13(3).

Bansal P, et al. (2024) A dynamic in vitro model of Down syndrome neurogenesis with trisomy 21 gene dosage correction. *Science advances*, 10(23), eadj0385.

Lisowski P, et al. (2024) Mutant huntingtin impairs neurodevelopment in human brain organoids through CHCHD2-mediated neurometabolic failure. *Nature communications*, 15(1), 7027.

Yarkova ES, et al. (2024) Detection of ER Stress in iPSC-Derived Neurons Carrying the p.N370S Mutation in the GBA1 Gene. *Biomedicines*, 12(4).

Ustyantseva E, et al. (2022) Oxidative stress monitoring in iPSC-derived motor neurons using genetically encoded biosensors of H₂O₂. *Scientific reports*, 12(1), 8928.

Schmid B, et al. (2021) Generation of two gene edited iPSC-lines carrying a DOX-inducible NGN2 expression cassette with and without GFP in the AAVS1 locus. *Stem cell research*, 52, 102240.

Vajhøj C, et al. (2021) Establishment of a human induced pluripotent stem cell neuronal model for identification of modulators of A53T α -synuclein levels and aggregation. *PloS one*, 16(12), e0261536.

Sherstyuk VV, et al. (2021) Generation of Transgenic Rat Embryonic Stem Cells Using the CRISPR/Cpf1 System for Inducible Gene Knockout. *Biochemistry. Biokhimiia*, 86(7), 843.

Zhou Z, et al. (2021) Protocol for genome-scale CRISPR screening in engineered lineage reporter hPSCs to study cell fate determination. *STAR protocols*, 2(2), 100548.

Benito-Kwiecinski S, et al. (2021) An early cell shape transition drives evolutionary expansion of the human forebrain. *Cell*, 184(8), 2084.

Parent AV, et al. (2021) Selective deletion of human leukocyte antigens protects stem cell-derived islets from immune rejection. *Cell reports*, 36(7), 109538.

Russell R, et al. (2020) Loss of the transcription factor MAFB limits γ -cell derivation from human PSCs. *Nature communications*, 11(1), 2742.

Tejero R, et al. (2019) Gene signatures of quiescent glioblastoma cells reveal mesenchymal shift and interactions with niche microenvironment. *EBioMedicine*, 42, 252.

Ustyantseva EI, et al. (2019) A Platform for Studying Neurodegeneration Mechanisms Using Genetically Encoded Biosensors. *Biochemistry. Biokhimiia*, 84(3), 299.

Ferreccio A, et al. (2018) Inducible CRISPR genome editing platform in naive human embryonic stem cells reveals JARID2 function in self-renewal. *Cell cycle (Georgetown, Tex.)*, 17(5), 535.

Wu M, et al. (2018) Conditional gene knockout and reconstitution in human iPSCs with an inducible Cas9 system. *Stem cell research*, 29, 6.

O'Prey J, et al. (2017) Application of CRISPR/Cas9 to Autophagy Research. *Methods in enzymology*, 588, 79.