Resource Summary Report

Generated by FDI Lab - SciCrunch.org on May 12, 2025

pX601-AAV-CMV::NLS-SaCas9-NLS-3xHA-bGHpA;U6::BsaI-sgRNA

RRID:Addgene_61591
Type: Plasmid

Proper Citation

RRID:Addgene_61591

Plasmid Information

URL: http://www.addgene.org/61591

Proper Citation: RRID:Addgene_61591

Insert Name: hSaCas9

Organism: Other

Bacterial Resistance: Ampicillin

Defining Citation: PMID:25830891

Vector Backbone Description: Vector Backbone:pAAV; Vector Types:Mammalian Expression, AAV, CRISPR; Bacterial Resistance:Ampicillin

Plasmid Name: pX601-AAV-CMV::NLS-SaCas9-NLS-3xHA-bGHpA;U6::BsaI-sgRNA

Record Creation Time: 20220422T222353+0000

Record Last Update: 20231216T080650+0000

Ratings and Alerts

No rating or validation information has been found for pX601-AAV-CMV::NLS-SaCas9-NLS-3xHA-bGHpA;U6::BsaI-sgRNA.

No alerts have been found for pX601-AAV-CMV::NLS-SaCas9-NLS-3xHA-bGHpA;U6::BsaI-sgRNA.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 33 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Chung M, et al. (2024) Conditional knockout of Shank3 in the ventral CA1 by quantitative in vivo genome-editing impairs social memory in mice. Nature communications, 15(1), 4531.

Bellizzi A, et al. (2024) Suppression of HSV-1 infection and viral reactivation by CRISPR-Cas9 gene editing in 2D and 3D culture models. Molecular therapy. Nucleic acids, 35(3), 102282.

Cai H, et al. (2024) Patch and matrix striatonigral neurons differentially regulate locomotion. Research square.

Liu Z, et al. (2024) All-in-one AAV-mediated Nrl gene inactivation rescues retinal degeneration in Pde6a mice. JCI insight, 9(24).

Andrysiak K, et al. (2024) Upregulation of utrophin improves the phenotype of Duchenne muscular dystrophy hiPSC-derived CMs. Molecular therapy. Nucleic acids, 35(3), 102247.

Aulston BD, et al. (2024) Long term rescue of Alzheimer's deficits in vivo by one-time gene-editing of App C-terminus. bioRxiv : the preprint server for biology.

Kojima L, et al. (2024) Optimization of AAV vectors for transactivator-regulated enhanced gene expression within targeted neuronal populations. iScience, 27(6), 109878.

Zhu W, et al. (2024) Targeted genome editing restores auditory function in adult mice with progressive hearing loss caused by a human microRNA mutation. Science translational medicine, 16(755), eadn0689.

Levchenko O, et al. (2024) Unexpected extra exon skipping in the DYSF gene during restoring the reading frame by CRISPR/Cas9. Bio Systems, 235, 105072.

Meng X, et al. (2024) In vivo genome editing via CRISPR/Cas9-mediated homology-independent targeted integration for Bietti crystalline corneoretinal dystrophy treatment. Nature communications, 15(1), 3773.

Torella L, et al. (2024) Efficient and safe therapeutic use of paired Cas9-nickases for primary hyperoxaluria type 1. EMBO molecular medicine, 16(1), 112.

Li WR, et al. (2023) Neural mechanisms underlying uninstructed orofacial movements during reward-based learning behaviors. Current biology : CB, 33(16), 3436.

Hu Z, et al. (2023) Correction of F8 intron 1 inversion in hemophilia A patient-specific iPSCs by CRISPR/Cas9 mediated gene editing. Frontiers in genetics, 14, 1115831.

Stahl EC, et al. (2023) Genome editing in the mouse brain with minimally immunogenic Cas9 RNPs. Molecular therapy : the journal of the American Society of Gene Therapy, 31(8), 2422.

Moço PD, et al. (2023) Targeted Delivery of Chimeric Antigen Receptor into T Cells via CRISPR-Mediated Homology-Directed Repair with a Dual-AAV6 Transduction System. Current issues in molecular biology, 45(10), 7705.

Moço PD, et al. (2023) Production of adeno-associated viral vector serotype 6 by triple transfection of suspension HEK293 cells at higher cell densities. Biotechnology journal, 18(9), e2300051.

Liu Z, et al. (2022) Deficiency in endocannabinoid synthase DAGLB contributes to early onset Parkinsonism and murine nigral dopaminergic neuron dysfunction. Nature communications, 13(1), 3490.

Johnson CW, et al. (2022) Regulation of GTPase function by autophosphorylation. Molecular cell, 82(5), 950.

Wu BW, et al. (2022) Antiviral Targeting of Varicella Zoster Virus Replication and Neuronal Reactivation Using CRISPR/Cas9 Cleavage of the Duplicated Open Reading Frames 62/71. Viruses, 14(2).

Hanson B, et al. (2022) Non-uniform dystrophin re-expression after CRISPR-mediated exon excision in the dystrophin/utrophin double-knockout mouse model of DMD. Molecular therapy. Nucleic acids, 30, 379.