

# Resource Summary Report

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

## pX602-AAV-TBG::NLS-SaCas9-NLS-HA-OLLAS-bGHpA;U6::Bsal-sgRNA

RRID:Addgene\_61593

Type: Plasmid

### Proper Citation

RRID:Addgene\_61593

### Plasmid Information

**URL:** <http://www.addgene.org/61593>

**Proper Citation:** RRID:Addgene\_61593

**Insert Name:** hSaCas9

**Organism:** Staphylococcus aureus

**Bacterial Resistance:** Ampicillin

**Defining Citation:** [PMID:25830891](#)

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

**Plasmid Name:** pX602-AAV-TBG::NLS-SaCas9-NLS-HA-OLLAS-bGHpA;U6::Bsal-sgRNA

**Relevant Mutation:** K175R and K736R (deUb mutations)

**Record Creation Time:** 20220422T222353+0000

**Record Last Update:** 20260815T081744+0000

### Ratings and Alerts

No rating or validation information has been found for pX602-AAV-TBG::NLS-SaCas9-NLS-HA-OLLAS-bGHpA;U6::Bsal-sgRNA.

No alerts have been found for pX602-AAV-TBG::NLS-SaCas9-NLS-HA-OLLAS-bGHpA;U6::Bsal-sgRNA.

## Data and Source Information

**Source:** [Addgene](#)

## Usage and Citation Metrics

We found 34 mentions in open access literature.

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

Kawanabe-Kobayashi R, et al. (2026) Descending locus coeruleus noradrenergic signaling to spinal astrocyte subset is required for stress-induced mechanical pain hypersensitivity. *eLife*, 14.

Shi L, et al. (2025) SLC13A2 promotes hepatocyte metabolic remodeling and liver regeneration by enhancing de novo cholesterol biosynthesis. *The EMBO journal*, 44(5), 1442.

Dai M, et al. (2024) Discovering human cell-compatible gene therapy virus variants via optimized screening in mouse models. *Cell proliferation*, 57(3), e13565.

Wang Y, et al. (2024) Therapeutic siRNA targeting PLIN2 ameliorates steatosis, inflammation, and fibrosis in steatotic liver disease models. *Journal of lipid research*, 65(10), 100635.

Camps G, et al. (2024) Protective role of RIPK1 scaffolding against HDV-induced hepatocyte cell death and the significance of cytokines in mice. *PLoS pathogens*, 20(5), e1011749.

Yang YS, et al. (2024) AAV-based gene editing of type 1 collagen mutation to treat osteogenesis imperfecta. *Molecular therapy. Nucleic acids*, 35(1), 102111.

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.

Kashiwakura Y, et al. (2023) Genome Editing of Murine Liver Hepatocytes by AAV Vector-Mediated Expression of Cas9 In Vivo. *Methods in molecular biology (Clifton, N.J.)*, 2637, 195.

Zhang S, et al. (2023) TadA orthologs enable both cytosine and adenine editing of base editors. *Nature communications*, 14(1), 414.

Fang Z, et al. (2023) Downregulation of hepatic lncRNA Gm19619 improves gluconeogenesis and lipogenesis following vertical sleeve gastrectomy in mice. *Communications biology*, 6(1), 105.

Zhang S, et al. (2023) TadA reprogramming to generate potent miniature base editors with high precision. *Nature communications*, 14(1), 413.

Anagnostopoulos G, et al. (2022) An obesogenic feedforward loop involving PPAR $\gamma$ , acyl-CoA binding protein and GABAA receptor. *Cell death & disease*, 13(4), 356.

Martinez-Turrillas R, et al. (2022) In vivo CRISPR-Cas9 inhibition of hepatic LDH as treatment of primary hyperoxaluria. *Molecular therapy. Methods & clinical development*, 25, 137.

Li H, et al. (2021) Co-editing PINK1 and DJ-1 Genes Via Adeno-Associated Virus-Delivered CRISPR/Cas9 System in Adult Monkey Brain Elicits Classical Parkinsonian Phenotype. *Neuroscience bulletin*, 37(9), 1271.

Li Q, et al. (2021) In vivo PCSK9 gene editing using an all-in-one self-cleavage AAV-CRISPR system. *Molecular therapy. Methods & clinical development*, 20, 652.

Wang X, et al. (2021) Acute gene inactivation in the adult mouse liver using the CRISPR-Cas9 technology. *STAR protocols*, 2(3), 100611.

Præsthholm SM, et al. (2021) Impaired glucocorticoid receptor expression in liver disrupts feeding-induced gene expression, glucose uptake, and glycogen storage. *Cell reports*, 37(5), 109938.

Huang D, et al. (2021) TMEM41B acts as an ER scramblase required for lipoprotein biogenesis and lipid homeostasis. *Cell metabolism*, 33(8), 1655.

Wang X, et al. (2021) Receptor-Mediated ER Export of Lipoproteins Controls Lipid Homeostasis in Mice and Humans. *Cell metabolism*, 33(2), 350.

Wu SH, et al. (2021) Induction of core symptoms of autism spectrum disorder by in vivo CRISPR/Cas9-based gene editing in the brain of adolescent rhesus monkeys. *Science bulletin*, 66(9), 937.