

Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 13, 2026

[pAAV2/2](#)

RRID:Addgene_104963

Type: Plasmid

Proper Citation

RRID:Addgene_104963

Plasmid Information

URL: <http://www.addgene.org/104963>

Proper Citation: RRID:Addgene_104963

Insert Name: Rep2/Cap2

Organism: Other

Bacterial Resistance: Ampicillin

Vector Backbone Description: Vector Backbone:pUC19 with additional elements; Vector Types:Mammalian Expression, AAV; Bacterial Resistance:Ampicillin

Comments: Contains the p5 promoter upstream of RepCap as well as the p5 promoter downstream of RepCap in the 3' orientation. This configuration of promoters has been shown to improve viral production yields.

Plasmid Name: pAAV2/2

Record Creation Time: 20220422T221509+0000

Record Last Update: 20260808T080337+0000

Ratings and Alerts

No rating or validation information has been found for pAAV2/2.

No alerts have been found for pAAV2/2.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 37 mentions in open access literature.

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

Jahnz H, et al. (2026) Development of a recombinant adeno-associated virus vector for human T lymphocyte- and natural killer cell-targeted gene therapy. bioRxiv : the preprint server for biology.

Jackson CR, et al. (2026) Defining a Midgestational Window for In Utero Genome Editing of the Fetal Murine Cortex. bioRxiv : the preprint server for biology.

Cabrera-Cabrera F, et al. (2026) Norepinephrine Couples Astrocytic Metabolism to mTOR-Driven Protein Synthesis. Journal of neurochemistry, 170(7), e70507.

Maurer AC, et al. (2025) Double-strand break repair pathways differentially affect processing and transduction by dual AAV vectors. Nature communications, 16(1), 1532.

Li Y, et al. (2025) A TLK2-mediated calcium-driven cell death pathway links neuronal degeneration to nuclear envelope disruption. Nature communications, 16(1), 3419.

Lalanne JB, et al. (2025) Extensive length and homology dependent chimerism in pool-packaged AAV libraries. bioRxiv : the preprint server for biology.

Hoffmann MD, et al. (2025) Protein Carrier Adeno-Associated Virus. ACS nano, 19(12), 12308.

Green EA, et al. (2025) Development of an HEK293 Suspension Cell Culture Medium, Transient Transfection Optimization Workflow, and Analytics for Batch rAAV Manufacturing. Biotechnology and bioengineering, 122(7), 1640.

Burkhart M, et al. (2025) Unveiling Small Non-Coding RNA Dynamics During Recombinant Adeno-Associated Virus Production. Biotechnology journal, 20(8), e70092.

Ahuja V, et al. (2025) Evaluation of transduction efficiency in pancreatic beta and alpha cells utilizing various AAV serotypes. Scientific reports, 15(1), 20927.

Najera SS, et al. (2025) AAV2 delivery of the saCas9 gene results in presentation of an HLA-A*02:01-restricted T cell epitope potent to induce T cell cytotoxicity. Molecular therapy. Methods & clinical development, 33(3), 101506.

Chhikara A, et al. (2025) Activity-dependent localization and dynamics of STIM1 and STIM2 at ER-PM contacts in hippocampal neurons. Cell reports, 44(10), 116290.

Leibiger TM, et al. (2024) Biolayer interferometry for adeno-associated virus capsid titer measurement and applications to upstream and downstream process development. Molecular therapy. Methods & clinical development, 32(3), 101306.

Willimann M, et al. (2024) AAV Capsid Screening for Translational Pig Research Using a Mouse Xenograft Liver Model. bioRxiv : the preprint server for biology.

Fu Q, et al. (2024) Enhanced ER protein processing gene expression increases rAAV yield and full capsid ratio in HEK293 cells. *Applied microbiology and biotechnology*, 108(1), 459.

Serrano C, et al. (2024) Simple and highly specific targeting of resident microglia with adeno-associated virus. *iScience*, 27(9), 110706.

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.

Leibiger TM, et al. (2024) Quantitative proteomic analysis of residual host cell protein retention across adeno-associated virus affinity chromatography. *Molecular therapy. Methods & clinical development*, 32(4), 101383.

Fu Q, et al. (2023) Design space determination to optimize DNA complexation and full capsid formation in transient rAAV manufacturing. *Biotechnology and bioengineering*, 120(11), 3148.

Zeng H, et al. (2023) A split and inducible adenine base editor for precise in vivo base editing. *Nature communications*, 14(1), 5573.