Resource Summary Report

Generated by dkNET on Jul 30, 2026

pAAV2/5

RRID:Addgene_104964
Type: Plasmid

Proper Citation

RRID:Addgene_104964

Plasmid Information

URL: http://www.addgene.org/104964

Proper Citation: RRID:Addgene_104964

Insert Name: Rep2/Cap5

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: pAAV2/5

Record Creation Time: 20220422T221509+0000

Record Last Update: 20260725T073411+0000

Ratings and Alerts

No rating or validation information has been found for pAAV2/5.

No alerts have been found for pAAV2/5.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 31 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET .

Radhakrishnan K, et al. (2025) 7-ketocholesterol contributes to microglia-driven increases in astrocyte reactive oxygen species in Alzheimer's disease. bioRxiv : the preprint server for biology.

Cona A, et al. (2025) In vivo selection and glymphatic delivery of AAV5 capsids engineered to target human glial progenitor cells. bioRxiv : the preprint server for biology.

Cryan CE, et al. (2025) Bmal1 Modulates Striatal cAMP Signaling and Motor Learning. The Journal of neuroscience : the official journal of the Society for Neuroscience, 45(28).

Quan L, et al. (2025) Astrocytic heterogeneous nuclear ribonucleoprotein U is involved in scar formation after spinal cord injury. Journal of neuroinflammation, 22(1), 28.

Belova L, et al. (2025) Lung Organoids from hiPSCs Can Be Efficiently Transduced by Recombinant Adeno-Associated Viral and Adenoviral Vectors. Biomedicines, 13(4).

Shen T, et al. (2025) GADD45G operates as a pathological sensor orchestrating reactive gliosis and neurodegeneration. Neuron, 113(13), 2176.

Donohue N, et al. (2025) Production of an Oncolytic Adeno-Associated Virus Containing the Pro-Apoptotic TRAIL Gene Can Be Improved by shRNA Interference. International journal of molecular sciences, 26(2).

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

Schroeder ME, et al. (2025) A transcriptomic atlas of astrocyte heterogeneity across space and time in mouse and marmoset. Neuron, 113(23), 3942.

Sloan DC, et al. (2025) The G protein modifier KCTD5 tunes the decoding of neuromodulatory signals necessary for motor function in striatal neurons. PLoS biology, 23(4), e3003117.

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.

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.

Megagiannis P, et al. (2024) Autism-associated CHD8 controls reactive gliosis and neuroinflammation via remodeling chromatin in astrocytes. Cell reports, 43(8), 114637.

Cherchi F, et al. (2024) Adenosine A2B receptors differently modulate oligodendrogliogenesis and myelination depending on their cellular localization. Glia.

Shigetomi E, et al. (2024) Disease-relevant upregulation of P2Y1 receptor in astrocytes enhances neuronal excitability via IGFBP2. Nature communications, 15(1), 6525.

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

Howe G, et al. (2024) An autonucleolytic suspension HEK293F host cell line for high-titer serum-free AAV5 and AAV9 production with reduced levels of DNA impurity. Molecular therapy. Methods & clinical development, 32(3), 101317.

Qiao S, et al. (2023) Intra-pituitary follicle-stimulating hormone signaling regulates hepatic lipid metabolism in mice. Nature communications, 14(1), 1098.

Gleichman AJ, et al. (2023) A toolbox of astrocyte-specific, serotype-independent adeno-associated viral vectors using microRNA targeting sequences. Nature communications, 14(1), 7426.

Maltsev A, et al. (2023) Bidirectional regulation by "star forces": Ionotropic astrocyte's optical stimulation suppresses synaptic plasticity, metabotropic one strikes back. Hippocampus, 33(1), 18.