

Resource Summary Report

Generated by PRECISE-TBI on Aug 13, 2026

pAAV-FLEX-GFP

RRID:Addgene_28304

Type: Plasmid

Proper Citation

RRID:Addgene_28304

Plasmid Information

URL: <http://www.addgene.org/28304>

Proper Citation: RRID:Addgene_28304

Insert Name: GFP

Organism: A. victoria

Bacterial Resistance: Ampicillin

Vector Backbone Description: Backbone Marker:Scott Sternson; Backbone Size:5047; Vector Backbone:AAV-FLEX; Vector Types:Mammalian Expression, AAV, Cre/Lox, Adeno-associated virus; Bacterial Resistance:Ampicillin

Comments: PLEASE CONTACT ED BOYDEN (esb@media.mit.edu) FOR DETAILS ON THIS REAGENT AND FURTHER REAGENTS IN THIS LINE.

Plasmid Name: pAAV-FLEX-GFP

Relevant Mutation: N/A

Record Creation Time: 20220422T222127+0000

Record Last Update: 20260808T081511+0000

Ratings and Alerts

No rating or validation information has been found for pAAV-FLEX-GFP.

No alerts have been found for pAAV-FLEX-GFP.

Data and Source Information

Usage and Citation Metrics

We found 47 mentions in open access literature.

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

Wang IC, et al. (2025) Alteration of gut microbial ecology by the direct activation of the brain: Inverse gut-microbiome-brain dynamics. *iScience*, 28(11), 113709.

Ramani B, et al. (2025) CRISPR screening by AAV episome-sequencing (CrAAVe-seq): a scalable cell-type-specific in vivo platform uncovers neuronal essential genes. *Nature neuroscience*.

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*.

Dewa KI, et al. (2025) The astrocytic ensemble acts as a multiday trace to stabilize memory. *Nature*, 648(8092), 146.

Lu X, et al. (2025) γ -Containing GABAA receptors on parvalbumin interneurons modulate neuronal excitability and network dynamics in the mouse medial prefrontal cortex. *Journal of neurophysiology*, 133(4), 1003.

Ghazale H, et al. (2025) MicroRNA-mediated neuronal detargeting alters astrocyte cell fate conversion trajectories in vivo. *Communications biology*, 8(1), 1750.

Lambert PM, et al. (2025) A Role for γ Subunit-Containing GABAA Receptors on Parvalbumin-Positive Neurons in Maintaining Electrocortical Signatures of Sleep States. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 45(20).

Toscano E, et al. (2025) A spinal circuit for skilled locomotion. *Current biology : CB*, 35(20), 5048.

Buchan MJ, et al. (2024) Higher-order thalamocortical circuits are specified by embryonic cortical progenitor types in the mouse brain. *Cell reports*, 43(5), 114157.

Wang YZ, et al. (2024) Neuron type-specific proteomics reveals distinct Shank3 proteoforms in iSPNs and dSPNs lead to striatal synaptopathy in Shank3B^{-/-} mice. *Molecular psychiatry*.

Iguchi Y, et al. (2024) I β B kinase phosphorylates cytoplasmic TDP-43 and promotes its proteasome degradation. *The Journal of cell biology*, 223(2).

Ortiz-Guzman J, et al. (2024) Cholinergic Basal Forebrain Connectivity to the Basolateral Amygdala Modulates Food Intake. *eNeuro*, 11(3).

Takegawa W, et al. (2024) Kainate receptors regulate synaptic integrity and plasticity by forming a complex with synaptic organizers in the cerebellum. *Cell reports*, 43(7), 114427.

Kim M, et al. (2024) In vivo neural regeneration via AAV-NeuroD1 gene delivery to astrocytes in neonatal hypoxic-ischemic brain injury. *Inflammation and regeneration*, 44(1), 33.

Lucaci D, et al. (2023) Histamine Release in the Prefrontal Cortex Excites Fast-Spiking Interneurons while GABA Released from the Same Axons Inhibits Pyramidal Cells. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 43(2), 187.

Perelli L, et al. (2023) Interferon signaling promotes tolerance to chromosomal instability during metastatic evolution in renal cancer. *Nature cancer*, 4(7), 984.

Xie Y, et al. (2023) New AAV tools fail to detect Neurod1-mediated neuronal conversion of Müller glia and astrocytes in vivo. *EBioMedicine*, 90, 104531.

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.

Tsujikawa K, et al. (2022) Actin-binding protein filamin-A drives tau aggregation and contributes to progressive supranuclear palsy pathology. *Science advances*, 8(21), eabm5029.

LaPierre MP, et al. (2022) MicroRNA-7 regulates melanocortin circuits involved in mammalian energy homeostasis. *Nature communications*, 13(1), 5733.