

Resource Summary Report

Generated by [RRID](#) on Aug 20, 2026

pAAV-Syn-GFP

RRID:Addgene_58867

Type: Plasmid

Proper Citation

RRID:Addgene_58867

Plasmid Information

URL: <http://www.addgene.org/58867>

Proper Citation: RRID:Addgene_58867

Insert Name: GFP

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:16116447](#)

Vector Backbone Description: Backbone Size:4698; Vector Backbone:AAV; Vector Types:Mammalian Expression, AAV; Bacterial Resistance:Ampicillin

Comments: Plasmid is completely sequenced by the depositing lab except parts of the origin and both ITRs. Multiple digestions were done to verify the vector structure. The construct and the virus were both tested in vitro.

Plasmid Name: pAAV-Syn-GFP

Record Creation Time: 20220422T222340+0000

Record Last Update: 20260815T081719+0000

Ratings and Alerts

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

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

Data and Source Information

Usage and Citation Metrics

We found 18 mentions in open access literature.

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

Do TT, et al. (2026) A correlative workflow for synaptic imaging by cryo-electron tomography. *Structure (London, England : 1993)*, 34(5), 839.

Zhao X, et al. (2025) Alzheimer's disease protective allele of Clusterin modulates neuronal excitability through lipid-droplet-mediated neuron-glia communication. *Molecular neurodegeneration*, 20(1), 51.

Aria F, et al. (2025) A prodrug targeting CIM6P/IGF2R enhances memory in healthy mice and reverses deficits in an Angelman syndrome mouse model. *Translational psychiatry*, 15(1), 438.

Duan Y, et al. (2025) Frontostriatal regulation of brain circuits contributes to flexible decision making. *Neuropsychopharmacology : official publication of the American College of Neuropsychopharmacology*, 50(7), 1156.

Clayton KK, et al. (2025) Cortical PV interneurons regulate loudness perception and sustainably reverse loudness hypersensitivity. *Neuron*.

Zhao X, et al. (2024) Alzheimer's disease protective allele of Clusterin modulates neuronal excitability through lipid-droplet-mediated neuron-glia communication. *medRxiv : the preprint server for health sciences*.

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.

Rimbault C, et al. (2024) Engineering paralog-specific PSD-95 recombinant binders as minimally interfering multimodal probes for advanced imaging techniques. *eLife*, 13.

Mut-Arbona P, et al. (2023) Dual Role of the P2X7 Receptor in Dendritic Outgrowth during Physiological and Pathological Brain Development. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 43(7), 1125.

Aimi T, et al. (2023) C1ql1-Bai3 signaling is necessary for climbing fiber synapse formation in mature Purkinje cells in coordination with neuronal activity. *Molecular brain*, 16(1), 61.

Eisen TJ, et al. (2022) The interplay between translational efficiency, poly(A) tails, microRNAs, and neuronal activation. *RNA (New York, N.Y.)*, 28(6), 808.

Brommer B, et al. (2021) Improving hindlimb locomotor function by Non-invasive AAV-mediated manipulations of propriospinal neurons in mice with complete spinal cord injury. *Nature communications*, 12(1), 781.

Ittner A, et al. (2020) Reduction of advanced tau-mediated memory deficits by the MAP kinase p38 γ . *Acta neuropathologica*, 140(3), 279.

Pousinha PA, et al. (2019) The Amyloid Precursor Protein C-Terminal Domain Alters CA1 Neuron Firing, Modifying Hippocampus Oscillations and Impairing Spatial Memory Encoding. *Cell reports*, 29(2), 317.

Wulaer B, et al. (2018) Repetitive and compulsive-like behaviors lead to cognitive dysfunction in *Disc1*^{2-3/2-3} mice. *Genes, brain, and behavior*, 17(8), e12478.

Zhang GW, et al. (2018) A Non-canonical Reticular-Limbic Central Auditory Pathway via Medial Septum Contributes to Fear Conditioning. *Neuron*, 97(2), 406.

Zhang GW, et al. (2018) Transforming Sensory Cues into Aversive Emotion via Septal-Habenular Pathway. *Neuron*, 99(5), 1016.

Pousinha PA, et al. (2017) Physiological and pathophysiological control of synaptic GluN2B-NMDA receptors by the C-terminal domain of amyloid precursor protein. *eLife*, 6.