

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 10, 2026

pAAV.hSyn.eGFP.WPRE.bGH

RRID:Addgene_105539

Type: Plasmid

Proper Citation

RRID:Addgene_105539

Plasmid Information

URL: <http://www.addgene.org/105539>

Proper Citation: RRID:Addgene_105539

Insert Name: EGFP

Organism: Other

Bacterial Resistance: Ampicillin

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

Comments: Penn Vector Core number p1696

Plasmid Name: pAAV.hSyn.eGFP.WPRE.bGH

Record Creation Time: 20220422T221512+0000

Record Last Update: 20260808T080342+0000

Ratings and Alerts

No rating or validation information has been found for pAAV.hSyn.eGFP.WPRE.bGH.

No alerts have been found for pAAV.hSyn.eGFP.WPRE.bGH.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 40 mentions in open access literature.

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

Haley SP, et al. (2026) Cortex-wide characterization of decision-making neural dynamics during spatial navigation. *Nature communications*, 17(1).

Wang Q, et al. (2026) Genoarchitecture and input-output organization of the mouse basal ganglia and thalamic parafascicular nucleus. *Nature neuroscience*, 29(5), 1248.

Hintiryan H, et al. (2025) Distinct subnetworks of the mouse anterior thalamic nuclei. *Nature communications*, 16(1), 6018.

Yin X, et al. (2025) Calcineurin governs baseline and homeostatic regulations of non-rapid eye movement sleep in mice. *Proceedings of the National Academy of Sciences of the United States of America*, 122(4), e2418317122.

Zhou S, et al. (2025) PP2Ac⁺ regulates sleep amount and sleep homeostasis in mice. *Communications biology*, 8(1), 1018.

Rao SB, et al. (2025) Aberrant pace of cortical neuron development in brain organoids from patients with 22q11.2 deletion syndrome-associated schizophrenia. *Nature communications*, 16(1), 6986.

Liu Z, et al. (2025) Regulation of Sleep Amount by CRT1 via Transcription of Crh in Mice. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 45(5).

Zhang X, et al. (2025) Functional optic tract rewiring via subtype- and target-specific axonal regeneration and presynaptic activity enhancement. *Nature communications*, 16(1), 2174.

Gómez-Sotres P, et al. (2024) Olfactory bulb astrocytes link social transmission of stress to cognitive adaptation in male mice. *Nature communications*, 15(1), 7103.

Cullen ER, et al. (2024) Hyperactivity of mTORC1 and mTORC2-dependent signaling mediate epilepsy downstream of somatic PTEN loss. *bioRxiv : the preprint server for biology*.

Wong VC, et al. (2024) Plasticity-induced actin polymerization in the dendritic shaft regulates intracellular AMPA receptor trafficking. *eLife*, 13.

Cullen ER, et al. (2024) Hyperactivity of mTORC1- and mTORC2-dependent signaling mediates epilepsy downstream of somatic PTEN loss. *eLife*, 12.

Voglewede MM, et al. (2024) Loss of the polarity protein Par3 promotes dendritic spine neoteny and enhances learning and memory. *iScience*, 27(7), 110308.

Adel SS, et al. (2023) Semaphorin 4D induced inhibitory synaptogenesis decreases epileptiform activity and alters progression to Status Epilepticus in mice. *Epilepsy research*, 193, 107156.

Ross RA, et al. (2023) Prefrontal cortex melanocortin 4 receptors (MC4R) mediate food intake behavior in male mice. *Physiology & behavior*, 269, 114280.

Wang Q, et al. (2023) Regional and cell-type-specific afferent and efferent projections of the mouse claustrum. *Cell reports*, 42(2), 112118.

Wang X, et al. (2023) Driving axon regeneration by orchestrating neuronal and non-neuronal innate immune responses via the IFN γ -cGAS-STING axis. *Neuron*, 111(2), 236.

Morishita M, et al. (2023) Two-Step Actions of Testicular Androgens in the Organization of a Male-Specific Neural Pathway from the Medial Preoptic Area to the Ventral Tegmental Area for Modulating Sexually Motivated Behavior. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 43(44), 7322.

Wang G, et al. (2022) Somatic genetics analysis of sleep in adult mice. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 42(28), 5617.

Erben L, et al. (2022) Developmental, neurochemical, and behavioral analyses of ErbB4 Cyt-1 knockout mice. *Journal of neurochemistry*, 161(5), 435.