Resource Summary Report

Generated by RRID on Aug 26, 2026

pAAV.GfaABC1D.PI.Lck-GFP.SV40

RRID:Addgene_105598
Type: Plasmid

Proper Citation

RRID:Addgene_105598

Plasmid Information

URL: http://www.addgene.org/105598

Proper Citation: RRID:Addgene_105598

Insert Name: Lck-EGFP

Organism: Other

Bacterial Resistance: Ampicillin

Defining Citation: PMID:23589582

Vector Backbone Description: Vector Backbone:pZac2.1; Vector Types:Mammalian Expression, AAV; Bacterial Resistance:Ampicillin

Comments: Penn Vector Core plasmid p2369

Plasmid Name: pAAV.GfaABC1D.PI.Lck-GFP.SV40

Record Creation Time: 20220422T221512+0000

Record Last Update: 20260815T080057+0000

Ratings and Alerts

No rating or validation information has been found for pAAV.GfaABC1D.PI.Lck-GFP.SV40.

No alerts have been found for pAAV.GfaABC1D.PI.Lck-GFP.SV40.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 21 mentions in open access literature.

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

Deng S, et al. (2026) Astrocyte cell volume dynamics across cortical states and transitions. Neuron.

Gonzales JPM, et al. (2026) Sphingosine-1-Phosphate Receptor 1 regulates competition dependent astrocyte morphogenesis and tiling in murine cortex. bioRxiv : the preprint server for biology.

Gonzales JPM, et al. (2026) Sphingosine-1-Phosphate Receptor 1 Regulates Competition Dependent Astrocyte Morphogenesis and Tiling in Murine Cortex. Glia, 74(8), e70177.

Bosworth AP, et al. (2025) Astrocyte glypican 5 regulates synapse maturation and stabilization. Cell reports, 44(3), 115374.

Bosquez Huerta NA, et al. (2025) Sex-specific astrocyte regulation of spinal motor circuits by Nkx6.1. Cell reports, 44(1), 115121.

Coulter O, et al. (2025) Adolescent Alcohol Exposure Disrupts Astrocyte-Synaptic Structural And Functional Coupling In The Male Dorsal Hippocampus. bioRxiv : the preprint server for biology.

Marini M, et al. (2025) Supervised and unsupervised learning reveal heroin-induced impairments in astrocyte structural plasticity. Science advances, 11(18), eads6841.

Kastner-Blasczyk AR, et al. (2025) Effect of an astrocyte calcium exporter on orbitofrontal cortex neuron excitability, astrocyte-synaptic interaction, and alcohol consumption. Neuropharmacology, 269, 110365.

Holt LM, et al. (2025) Astrocytic CREB in Nucleus Accumbens Promotes Susceptibility to Chronic Stress. Biological psychiatry, 97(9), 862.

Testen A, et al. (2025) Abstinence from cocaine self-administration promotes microglial pruning of astrocytes, which drives cocaine-seeking behavior. Cell reports, 44(8), 116137.

Heffernan KS, et al. (2024) Scaled Complexity of Mammalian Astrocytes: Insights From Mouse and Macaque. The Journal of comparative neurology, 532(8), e25665.

Holt LM, et al. (2024) Astrocytic CREB in nucleus accumbens promotes susceptibility to chronic stress. bioRxiv : the preprint server for biology.

Nentwig TB, et al. (2024) Central Amygdala Astrocyte Plasticity Underlies GABAergic Dysregulation in Ethanol Dependence. bioRxiv : the preprint server for biology.

Rosenberg MF, et al. (2023) ?-Adrenergic Signaling Promotes Morphological Maturation of Astrocytes in Female Mice. The Journal of neuroscience : the official journal of the Society for Neuroscience, 43(50), 8621.

Williamson MR, et al. (2023) Subventricular zone cytogenesis provides trophic support for neural repair in a mouse model of stroke. Nature communications, 14(1), 6341.

Walker CD, et al. (2022) Diverging Effects of Adolescent Ethanol Exposure on Tripartite Synaptic Development across Prefrontal Cortex Subregions. Cells, 11(19).

Nagai J, et al. (2021) Specific and behaviorally consequential astrocyte Gq GPCR signaling attenuation in vivo with i?ARK. Neuron, 109(14), 2256.

Henneberger C, et al. (2020) LTP Induction Boosts Glutamate Spillover by Driving Withdrawal of Perisynaptic Astroglia. Neuron, 108(5), 919.

Testen A, et al. (2020) High-Resolution Three-Dimensional Imaging of Individual Astrocytes Using Confocal Microscopy. Current protocols in neuroscience, 91(1), e92.

Yu X, et al. (2020) Context-Specific Striatal Astrocyte Molecular Responses Are Phenotypically Exploitable. Neuron, 108(6), 1146.