Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 26, 2025

pAAV-hSyn-EGFP

RRID:Addgene_50465
Type: Plasmid

Proper Citation

RRID:Addgene_50465

Plasmid Information

URL: http://www.addgene.org/50465

Proper Citation: RRID:Addgene_50465

Insert Name: EGFP

Organism: Other

Bacterial Resistance: Ampicillin

Defining Citation: PMID:

Vector Backbone Description: Backbone Size:4818; Vector Backbone:pAAV; Vector Types:AAV; Bacterial Resistance:Ampicillin

Comments: These plasmids were generated as part of the Illuminating the Druggable Genome (IDG) program sponsored by the NIH Common Fund. The goal of this program is to identify, gather, and distribute information and resources for proteins that currently are not well-studied yet belong to commonly drug-targeted protein families: protein kinases, non-olfactory G-protein coupled receptors (GPCRs), and ion channels. The IDG program is designed to develop fundamental research tools for understudied proteins, elucidate their function, and disseminate the IDG-related resources and data to the greater scientific community.

Plasmid Name: pAAV-hSyn-EGFP

Record Creation Time: 20220422T222258+0000

Record Last Update: 20240822T080803+0000

Ratings and Alerts

No rating or validation information has been found for pAAV-hSyn-EGFP.

No alerts have been found for pAAV-hSyn-EGFP.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 80 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Adel SS, et al. (2024) Plexin-B1 and Plexin-B2 play non-redundant roles in GABAergic synapse formation. Molecular and cellular neurosciences, 128, 103920.

Qualls KA, et al. (2024) Mineralocorticoid Receptor Antagonism Reduces Inflammatory Pain Measures in Mice Independent of the Receptors on Sensory Neurons. Neuroscience, 541, 64.

Mishra I, et al. (2024) The cerebellum modulates thirst. Nature neuroscience, 27(9), 1745.

Chen TY, et al. (2024) Mature neurons from iPSCs unveil neurodegeneration-related pathways in mucopolysaccharidosis type II: GSK-3? inhibition for therapeutic potential. Cell death & disease, 15(4), 302.

Anjum R, et al. (2024) Rem2 interacts with CaMKII at synapses and restricts long-term potentiation in hippocampus. bioRxiv : the preprint server for biology.

Witteveen I, et al. (2024) Comparative Analysis of Six Adeno-Associated Viral Vector Serotypes in Mouse Inferior Colliculus and Cerebellum. eNeuro, 11(11).

Petersen D, et al. (2024) Adolescent Thalamoprefrontal Inhibition Leads to Changes in Intrinsic Prefrontal Network Connectivity. eNeuro, 11(8).

Savani R, et al. (2024) Metabolic and behavioral alterations associated with viral vector-mediated toxicity in the paraventricular hypothalamic nucleus. bioRxiv : the preprint server for biology.

Stanley S, et al. (2024) Amygdala-liver signaling orchestrates rapid glycemic responses to stress and drives stress-induced metabolic dysfunction. Research square.

Malone TJ, et al. (2024) A consistent map in the medial entorhinal cortex supports spatial memory. Nature communications, 15(1), 1457.

Yau JO, et al. (2024) State- and Circuit-Dependent Opponent Processing of Fear. The Journal of neuroscience : the official journal of the Society for Neuroscience, 44(38).

Bryant KG, et al. (2024) Positive correlation between measures of habitual responding and motivated responding in mice. Journal of the experimental analysis of behavior, 121(1), 74.

Groschup B, et al. (2024) Probing intracellular potassium dynamics in neurons with the genetically encoded sensor lc-LysM GEPII 1.0 in vitro and in vivo. Scientific reports, 14(1), 13753.

Holey BE, et al. (2024) Sensation and expectation are embedded in mouse motor cortical activity. Cell reports, 43(7), 114396.

van Hoogstraten WS, et al. (2024) Disynaptic Inhibitory Cerebellar Control Over Caudal Medial Accessory Olive. eNeuro, 11(2).

Kashiwagi M, et al. (2024) A pontine-medullary loop crucial for REM sleep and its deficit in Parkinson's disease. Cell, 187(22), 6272.

Hasegawa M, et al. (2024) Network state changes in sensory thalamus represent learned outcomes. Nature communications, 15(1), 7830.

Jaeger ECB, et al. (2024) Adeno-associated viral tools to trace neural development and connectivity across amphibians. Developmental cell.

Cherian S, et al. (2024) Loss of Midbrain Dopamine Neurons Does Not Alter GABAergic Inhibition Mediated by Parvalbumin-Expressing Interneurons in Mouse Primary Motor Cortex. eNeuro, 11(5).

Petersen D, et al. (2024) Adolescent Thalamocortical Inhibition Alters Prefrontal Excitation-Inhibition Balance. bioRxiv : the preprint server for biology.