Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 6, 2025

pAAV-hSyn-DIO-EGFP

RRID:Addgene_50457
Type: Plasmid

Proper Citation

RRID:Addgene_50457

Plasmid Information

URL: http://www.addgene.org/50457

Proper Citation: RRID:Addgene_50457

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-DIO-EGFP

Record Creation Time: 20220422T222258+0000

Record Last Update: 20230915T081134+0000

Ratings and Alerts

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

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

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 FDI Lab - SciCrunch.org.

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

Upadhyay A, et al. (2024) The Dorsal Column Nuclei Scale Mechanical Sensitivity in Naive and Neuropathic Pain States. bioRxiv : the preprint server for biology.

Chang H, et al. (2024) Stress-sensitive neural circuits change the gut microbiome via duodenal glands. Cell, 187(19), 5393.

Childs JE, et al. (2024) Relapse to cocaine seeking is regulated by medial habenula NR4A2/NURR1 in mice. Cell reports, 43(3), 113956.

Wojick JA, et al. (2024) A nociceptive amygdala-striatal pathway for chronic pain aversion. bioRxiv : the preprint server for biology.

Zhang Y, et al. (2024) Feedforward inhibition of stress by brainstem neuropeptide Y neurons. Nature communications, 15(1), 7603.

Molas S, et al. (2024) Dopamine control of social novelty preference is constrained by an interpeduncular-tegmentum circuit. Nature communications, 15(1), 2891.

Kakegawa 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.

Stevens NA, et al. (2024) Increased Interhemispheric Connectivity of a Distinct Type of Hippocampal Pyramidal Cells. The Journal of neuroscience : the official journal of the Society for Neuroscience, 44(7).

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

Jo AY, et al. (2024) VTA ?-opioidergic neurons facilitate low sociability in protracted opioid withdrawal. bioRxiv : the preprint server for biology.

Toivainen S, et al. (2024) Generation and Characterization of a Novel Prkcd-Cre Rat Model. The Journal of neuroscience : the official journal of the Society for Neuroscience, 44(32).

Viellard JMA, et al. (2024) A subiculum-hypothalamic pathway functions in dynamic threat detection and memory updating. Current biology : CB, 34(12), 2657.

Wang L, et al. (2024) State-dependent central synaptic regulation by GLP-1 is essential for energy homeostasis. Research square.

Lubejko ST, et al. (2024) Inputs to the locus coeruleus from the periaqueductal gray and rostroventral medulla shape opioid-mediated descending pain modulation. Science advances, 10(17), eadj9581.

Cao Z, et al. (2024) Distinct populations of lateral preoptic nucleus neurons jointly contribute to depressive-like behaviors through divergent projections in male mice. Neurobiology of stress, 32, 100667.

Catalbas K, et al. (2024) Hypothalamic AgRP neurons regulate the hyperphagia of lactation. Molecular metabolism, 86, 101975.

Garau C, et al. (2023) Involvement of A13 dopaminergic neurons in prehensile movements but not reward in the rat. Current biology : CB, 33(22), 4786.

Martín-Cortecero J, et al. (2023) Monosynaptic trans-collicular pathways link mouse whisker circuits to integrate somatosensory and motor cortical signals. PLoS biology, 21(5), e3002126.

Cavallaro J, et al. (2023) Dopamine D2 receptors in nucleus accumbens cholinergic interneurons increase impulsive choice. bioRxiv : the preprint server for biology.