Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 4, 2025

pAAV-hSyn-DIO-mCherry

RRID:Addgene_50459
Type: Plasmid

Proper Citation

RRID:Addgene_50459

Plasmid Information

URL: http://www.addgene.org/50459

Proper Citation: RRID:Addgene_50459

Insert Name: mCherry

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-mCherry

Record Creation Time: 20220422T222258+0000

Record Last Update: 20230719T080542+0000

Ratings and Alerts

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

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

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 160 mentions in open access literature.

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

Dunning JL, et al. (2025) The parasubthalamic nucleus refeeding ensemble delays feeding initiation and hastens water drinking. Molecular psychiatry, 30(1), 37.

Weman HM, et al. (2024) Spinal Glycine Receptor Alpha 3 Cells Communicate Sensations of Chemical Itch in Hairy Skin. The Journal of neuroscience : the official journal of the Society for Neuroscience, 44(19).

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

Aitken TJ, et al. (2024) Negative feedback control of hypothalamic feeding circuits by the taste of food. Neuron, 112(19), 3354.

Rademacher K, et al. (2024) Chronic hyperactivation of midbrain dopamine neurons causes preferential dopamine neuron degeneration. bioRxiv : the preprint server for biology.

Zhao Z, et al. (2024) Cannabinoids regulate an insula circuit controlling water intake. Current biology : CB, 34(9), 1918.

Dodt S, et al. (2024) NPY-mediated synaptic plasticity in the extended amygdala prioritizes feeding during starvation. Nature communications, 15(1), 5439.

Lesuis SL, et al. (2024) Stress disrupts engram ensembles in lateral amygdala to generalize threat memory in mice. Cell.

Richards BK, et al. (2024) Relaxin family peptide receptor 3 (RXFP3) expressing cells in the zona incerta/lateral hypothalamus augment behavioural arousal. Journal of neurochemistry.

Cruz B, et al. (2024) Chemogenetic inhibition of central amygdala CRF-expressing neurons decreases alcohol intake but not trauma-related behaviors in a rat model of post-traumatic stress and alcohol use disorder. Molecular psychiatry, 29(9), 2611.

Xing L, et al. (2024) Diverse roles of pontine NPS-expressing neurons in sleep regulation. Proceedings of the National Academy of Sciences of the United States of America, 121(9), e2320276121.

Chen H, et al. (2024) The functional and anatomical characterization of three spinal output pathways of the anterolateral tract. Cell reports, 43(3), 113829.

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).

Luo H, et al. (2024) Amyloid-? oligomers trigger sex-dependent inhibition of GIRK channel activity in hippocampal neurons in mice. Science signaling, 17(856), eado4132.

Ma J, et al. (2024) Convergent direct and indirect cortical streams shape avoidance decisions in mice via the midline thalamus. Nature communications, 15(1), 6598.

Holt MK, et al. (2024) Modulation of stress-related behaviour by preproglucagon neurons and hypothalamic projections to the nucleus of the solitary tract. Molecular metabolism, 91, 102076.

Torres-Rodriguez JM, et al. (2024) The parabrachial to central amygdala pathway is critical to injury-induced pain sensitization in mice. Neuropsychopharmacology : official publication of the American College of Neuropsychopharmacology, 49(3), 508.

Palmer D, et al. (2024) Ventral pallidum neurons projecting to the ventral tegmental area reinforce but do not invigorate reward-seeking behavior. Cell reports, 43(1), 113669.

Martinez de Morentin PB, et al. (2024) A brainstem to hypothalamic arcuate nucleus GABAergic circuit drives feeding. Current biology : CB.

Ding W, et al. (2024) Nausea-induced suppression of feeding is mediated by central amygdala Dlk1-expressing neurons. Cell reports, 43(4), 113990.