

Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 3, 2025

pAAV-EF1a-DIO-mCherry

RRID:Addgene_50462

Type: Plasmid

Proper Citation

RRID:Addgene_50462

Plasmid Information

URL: <http://www.addgene.org/50462>

Proper Citation: RRID:Addgene_50462

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-EF1a-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-EF1a-DIO-mCherry.

No alerts have been found for pAAV-EF1a-DIO-mCherry.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 14 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Condon LF, et al. (2024) Parabrachial Calca neurons drive nociplasticity. *Cell reports*, 43(4), 114057.

Matsuda T, et al. (2024) Two parabrachial Cck neurons involved in the feedback control of thirst or salt appetite. *Cell reports*, 43(1), 113619.

Narimatsu Y, et al. (2023) Neurosecretory Protein GM-Expressing Neurons Participate in Lipid Storage and Inflammation in Newly Developed Cre Driver Male Mice. *Biomedicines*, 11(12).

Hassan SI, et al. (2023) Social odor discrimination and its enhancement by associative learning in the hippocampal CA2 region. *Neuron*, 111(14), 2232.

Liu S, et al. (2022) Divergent brainstem opioidergic pathways that coordinate breathing with pain and emotions. *Neuron*, 110(5), 857.

Liu Z, et al. (2022) Deficiency in endocannabinoid synthase DAGLB contributes to early onset Parkinsonism and murine nigral dopaminergic neuron dysfunction. *Nature communications*, 13(1), 3490.

Herrera Moro Chao D, et al. (2022) Hypothalamic astrocytes control systemic glucose metabolism and energy balance. *Cell metabolism*, 34(10), 1532.

Yen TY, et al. (2022) Inhibitory projections connecting the dentate gyri in the two hemispheres support spatial and contextual memory. *Cell reports*, 39(7), 110831.

Yiannakas A, et al. (2021) Parvalbumin interneuron inhibition onto anterior insula neurons projecting to the basolateral amygdala drives aversive taste memory retrieval. *Current biology : CB*, 31(13), 2770.

Benthall KN, et al. (2021) Loss of Tsc1 from striatal direct pathway neurons impairs

endocannabinoid-LTD and enhances motor routine learning. *Cell reports*, 36(6), 109511.

Rossi MA, et al. (2021) Transcriptional and functional divergence in lateral hypothalamic glutamate neurons projecting to the lateral habenula and ventral tegmental area. *Neuron*, 109(23), 3823.

Yamada S, et al. (2021) Efferent and Afferent Connections of Neuropeptide Y Neurons in the Nucleus Accumbens of Mice. *Frontiers in neuroanatomy*, 15, 741868.

Zhang GW, et al. (2018) Transforming Sensory Cues into Aversive Emotion via Septal-Habenular Pathway. *Neuron*, 99(5), 1016.

Chen JY, et al. (2018) Parabrachial CGRP Neurons Establish and Sustain Aversive Taste Memories. *Neuron*, 100(4), 891.