

Resource Summary Report

Generated by [RRID](#) on Aug 28, 2026

pAAV-Ef1a-fDIO EYFP

RRID:Addgene_55641

Type: Plasmid

Proper Citation

RRID:Addgene_55641

Plasmid Information

URL: <http://www.addgene.org/55641>

Proper Citation: RRID:Addgene_55641

Insert Name: EYFP

Organism: Other

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:24908100](#)

Vector Backbone Description: Backbone Size:5600; Vector Backbone:AAV; Vector Types:Mammalian Expression, AAV; Bacterial Resistance:Ampicillin

Plasmid Name: pAAV-Ef1a-fDIO EYFP

Record Creation Time: 20220422T222325+0000

Record Last Update: 20260815T081652+0000

Ratings and Alerts

No rating or validation information has been found for pAAV-Ef1a-fDIO EYFP.

No alerts have been found for pAAV-Ef1a-fDIO EYFP.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 31 mentions in open access literature.

Listed below are recent publications. The full list is available at [RRID](#) .

Thanawalla AR, et al. (2025) Cerebellar outputs for rapid directional refinement of forelimb movement. *bioRxiv : the preprint server for biology*.

Toscano E, et al. (2025) A spinal circuit for skilled locomotion. *Current biology : CB*, 35(20), 5048.

Biró L, et al. (2025) Convergence and Segregation of Excitatory and Inhibitory Afferents in the Paraventricular Thalamic Nucleus. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 45(43).

Báldi R, et al. (2025) Synaptic organization and associative learning-related activity of basolateral amygdala interneurons. *Cell reports*, 44(10), 116295.

B?sz E, et al. (2025) A cortico-subcortical loop for motor control via the pontine reticular formation. *Cell reports*, 44(2), 115230.

Dwivedi D, et al. (2024) Metabotropic signaling within somatostatin interneurons controls transient thalamocortical inputs during development. *Nature communications*, 15(1), 5421.

Cai J, et al. (2024) An excitatory projection from the basal forebrain to the ventral tegmental area that underlies anorexia-like phenotypes. *Neuron*, 112(3), 458.

Koga K, et al. (2024) Anterior cingulate cross-hemispheric inhibition via the claustrum resolves painful sensory conflict. *Communications biology*, 7(1), 330.

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.

Roethler O, et al. (2023) Single genomic enhancers drive experience-dependent GABAergic plasticity to maintain sensory processing in the adult cortex. *Neuron*, 111(17), 2693.

Yang W, et al. (2023) Structural and functional map for forelimb movement phases between cortex and medulla. *Cell*, 186(1), 162.

Dong Q, et al. (2023) Mutant α 1-adrenergic receptor improves REM sleep and ameliorates tau accumulation in a mouse model of tauopathy. *Proceedings of the National Academy of Sciences of the United States of America*, 120(15), e2221686120.

Xu J, et al. (2022) Intersectional mapping of multi-transmitter neurons and other cell types in the brain. *Cell reports*, 40(1), 111036.

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

Kim J, et al. (2022) LRRTM3 regulates activity-dependent synchronization of synapse properties in topographically connected hippocampal neural circuits. *Proceedings of the National Academy of Sciences of the United States of America*, 119(3).

Sciolino NR, et al. (2022) Natural locus coeruleus dynamics during feeding. *Science advances*, 8(33), eabn9134.

Kitanishi T, et al. (2022) Intersectional, anterograde transsynaptic targeting of neurons receiving monosynaptic inputs from two upstream regions. *Communications biology*, 5(1), 149.

Chowdhury A, et al. (2022) A locus coeruleus-dorsal CA1 dopaminergic circuit modulates memory linking. *Neuron*, 110(20), 3374.

Sabatini PV, et al. (2021) tTARGIT AAVs mediate the sensitive and flexible manipulation of intersectional neuronal populations in mice. *eLife*, 10.