

Resource Summary Report

Generated by [RRID](#) on Aug 25, 2026

pAAV-EF1a-fDIO-Cre

RRID:Addgene_121675

Type: Plasmid

Proper Citation

RRID:Addgene_121675

Plasmid Information

URL: <http://www.addgene.org/121675>

Proper Citation: RRID:Addgene_121675

Insert Name: NLS-CRE-HA

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:31257028](#)

Vector Backbone Description: Backbone Marker:Karl Deisseroth; Backbone Size:6323; Vector Backbone:pAAV-Ef1a-fDIO EYFP (Addgene #55641); Vector Types:Mammalian Expression, AAV; Bacterial Resistance:Ampicillin

Plasmid Name: pAAV-EF1a-fDIO-Cre

Record Creation Time: 20220422T221636+0000

Record Last Update: 20260815T080336+0000

Ratings and Alerts

No rating or validation information has been found for pAAV-EF1a-fDIO-Cre.

No alerts have been found for pAAV-EF1a-fDIO-Cre.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 22 mentions in open access literature.

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

Luján MÁ, et al. (2026) Midbrain endocannabinoids actuate dopamine-based action selection. *Cell reports*, 45(5), 117298.

Phensy AJ, et al. (2026) Prefrontal gamma oscillations engage dynamic cell-type-specific configurations to support flexible behavior. *Neuron*.

Kelly TJ, et al. (2026) CB1 receptor signaling at the cingulate-striatal circuit is anxiogenic. *Nature communications*, 17(1).

Eagle AL, et al. (2026) Transcriptional regulation of ventral hippocampus-nucleus accumbens circuit excitability drives cocaine seeking. *Science advances*, 12(10), eadv1236.

Lin Y, et al. (2026) Pharmacological administration of FGF21 reverses obesity through a parabrachial-projecting neuron population in the hindbrain. *Cell reports*, 45(4), 117093.

François M, et al. (2025) Amygdala AVPR1A mediates susceptibility to chronic social isolation in female mice. *Nature communications*, 16(1), 9740.

Yamagata S, et al. (2025) Dorsal raphe nucleus MC4R-GABAergic neurons regulate feeding and anxiety. *Molecular metabolism*, 99, 102199.

Jaster AM, et al. (2025) Sex-specific role of the 5-HT_{2A} receptor in psilocybin-induced extinction of opioid reward. *Nature communications*, 16(1), 10206.

Phensy AJ, et al. (2025) Prefrontal gamma oscillations engage dynamic cell type-specific configurations to support flexible behavior. *bioRxiv* : the preprint server for biology.

Sun Q, et al. (2025) Dynorphin modulates reward-seeking actions through a pallido-amygdala cholinergic circuit. *Neuron*, 113(11), 1823.

Locantore J, et al. (2025) Mixed representations of choice direction and outcome by GABA/glutamate cotransmitting neurons in the entopeduncular nucleus. *eLife*, 13.

Takatani H, et al. (2025) Modulation of Extrinsic and Intrinsic Signaling Together with Neuronal Activation Enhances Forelimb Motor Recovery after Cervical Spinal Cord Injury. *eNeuro*, 12(3).

Xiao SA, et al. (2025) Concerted actions of distinct serotonin neurons orchestrate female pup care behavior. *bioRxiv* : the preprint server for biology.

Williamson MR, et al. (2025) Learning-associated astrocyte ensembles regulate memory recall. *Nature*, 637(8045), 478.

Li M, et al. (2024) A mesocortical glutamatergic pathway modulates neuropathic pain independent of dopamine co-release. *Nature communications*, 15(1), 643.

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

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

Xu Y, et al. (2023) Lateral septum as a melanocortin downstream site in obesity development. *Cell reports*, 42(5), 112502.

Flippo KH, et al. (2022) FGF21 suppresses alcohol consumption through an amygdalo-striatal circuit. *Cell metabolism*, 34(2), 317.

Jung S, et al. (2022) A forebrain neural substrate for behavioral thermoregulation. *Neuron*, 110(2), 266.