

Resource Summary Report

Generated by [NIF](#) on Sep 14, 2026

pAAV-EF1a-mCherry-IRES-Flpo

RRID:Addgene_55634

Type: Plasmid

Proper Citation

RRID:Addgene_55634

Plasmid Information

URL: <http://www.addgene.org/55634>

Proper Citation: RRID:Addgene_55634

Insert Name: mCherry

Organism: Other

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:24908100](#)

Vector Backbone Description: Backbone Size:5315; Vector Backbone:AAV; Vector Types:Mammalian Expression, AAV; Bacterial Resistance:Ampicillin

Plasmid Name: pAAV-EF1a-mCherry-IRES-Flpo

Record Creation Time: 20220422T222325+0000

Record Last Update: 20260912T092901+0000

Ratings and Alerts

No rating or validation information has been found for pAAV-EF1a-mCherry-IRES-Flpo.

No alerts have been found for pAAV-EF1a-mCherry-IRES-Flpo.

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 [NIF](#) .

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

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

Reinhold K, et al. (2025) Striatum supports fast learning but not memory recall. *Nature*, 643(8071), 458.

Zhang Z, et al. (2025) Gene therapies alleviate absence epilepsy associated with Scn2a deficiency in DBA/2J mice. *bioRxiv : the preprint server for biology*.

Lustig J, et al. (2025) Selective Targeting of a Defined Subpopulation of Corticospinal Neurons Using a Novel Khl14-Cre Mouse Line Enables Molecular and Anatomical Investigations through Development into Maturity. *eNeuro*, 12(9).

Zeidler Z, et al. (2025) Directed cell-type recruitment during consolidation of a remote memory. *bioRxiv : the preprint server for biology*.

Zhang J, et al. (2025) Restoration of excitation/inhibition balance enhances neuronal signal-to-noise ratio and rescues social deficits in autism-associated Scn2a-deficiency. *bioRxiv : the preprint server for biology*.

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

Jaster AM, et al. (2025) Sex-specific role of the 5-HT2A receptor in psilocybin-induced extinction of opioid reward. *Nature communications*, 16(1), 10206.

Lustig J, et al. (2024) Selective Targeting of a Defined Subpopulation of Corticospinal Neurons using a Novel Khl14-Cre Mouse Line Enables Molecular and Anatomical Investigations through Development into Maturity. *bioRxiv : the preprint server for biology*.

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.

Jeong M, et al. (2024) Viral vector-mediated transgene delivery with novel recombinase systems for targeting neuronal populations defined by multiple features. *Neuron*, 112(1), 56.

Fadila S, et al. (2023) Viral vector-mediated expression of NaV1.1, after seizure onset, reduces epilepsy in mice with Dravet syndrome. *The Journal of clinical investigation*, 133(12).

Liebsch F, et al. (2023) Automated Image Analysis Reveals Different Localization of Synaptic Gephyrin C4 Splice Variants. *eNeuro*, 10(1).

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

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

Zhang J, et al. (2021) Severe deficiency of the voltage-gated sodium channel NaV1.2 elevates neuronal excitability in adult mice. *Cell reports*, 36(5), 109495.

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.

Giannotti G, et al. (2021) Extinction blunts paraventricular thalamic contributions to heroin relapse. *Cell reports*, 36(8), 109605.

Bavley CC, et al. (2020) Cocaine- and stress-primed reinstatement of drug-associated memories elicit differential behavioral and frontostriatal circuit activity patterns via recruitment of L-type Ca²⁺ channels. *Molecular psychiatry*, 25(10), 2373.