

Resource Summary Report

Generated by [NIF](#) on Jul 30, 2026

[pAAV-hSyn-mCherry](#)

RRID:Addgene_114472

Type: Plasmid

Proper Citation

RRID:Addgene_114472

Plasmid Information

URL: <http://www.addgene.org/114472>

Proper Citation: RRID:Addgene_114472

Insert Name: mCherry

Organism: Other

Bacterial Resistance: Ampicillin

Vector Backbone Description: Backbone Marker:Stratagene; Backbone Size:4537;
Vector Backbone:AAV; Vector Types:AAV; Bacterial Resistance:Ampicillin

Plasmid Name: pAAV-hSyn-mCherry

Record Creation Time: 20220422T221600+0000

Record Last Update: 20260725T073539+0000

Ratings and Alerts

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

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

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 103 mentions in open access literature.

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

Jiang M, et al. (2026) Neural basis of cooperative behavior in biological and artificial intelligence systems. *Science* (New York, N.Y.), 391(6780), eadw8151.

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

Benedict J, et al. (2025) The Lateral Habenula Is Necessary for Maternal Behavior in the Naturally Parturient Primiparous Mouse Dam. *eNeuro*, 12(1).

Jaschke NP, et al. (2025) Gut-to-brain signaling restricts dietary protein intake during recovery from catabolic states. *Cell*, 188(26), 7481.

Vargish GA, et al. (2025) A novel, evolutionarily conserved inhibitory circuit selectively regulates dentate gyrus mossy cell function. *bioRxiv : the preprint server for biology*.

Pomberger T, et al. (2025) The mouse posterior insular cortex encodes expressive and receptive aspects of courtship vocalizations. *Cell reports*, 44(6), 115850.

Carty JRE, et al. (2025) Amygdala-liver signalling orchestrates glycaemic responses to stress. *Nature*.

Li M, et al. (2025) A circuit from the basolateral amygdala to hippocampal CA3 regulates social behavior. *Current biology : CB*.

Perez RE, et al. (2025) An Anterior Cingulate Cortex Neuronal Ensemble Controls Contextual Opioid Analgesic Tolerance. *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*.

Chan AE, et al. (2025) Nucleus accumbens core chemogenetic excitation in male mice and chemogenetic inhibition in female mice reduced ethanol reward. *Biology of sex differences*, 16(1), 66.

Vargish GA, et al. (2025) A novel and evolutionarily conserved inhibitory circuit selectively regulates dentate gyrus mossy cell function. *Research square*.

Kamath T, et al. (2025) Hunger modulates exploration through suppression of dopamine signaling in the tail of the striatum. *Neuron*, 113(23), 4055.

Radulovic J, et al. (2025) Retrosplenial Cortical Reorganization During Late Adolescence Introduces Instability of Episodic Memory Circuits. *Research square*.

Moses JT, et al. (2025) Neuro293: A REST-knockout HEK-293 cell line enables the expression of neuron-restricted genes for the high-throughput testing of human neurobiology and the biochemistry of neuronal proteins. *Biology methods & protocols*, 10(1), bpaf036.

Yurgel ME, et al. (2025) A stress-sensing circuit signals to the central pacemaker to reprogram circadian rhythms. *Science advances*, 11(25), eadr7960.

Peters KZ, et al. (2025) Food seeking suppression by environmental enrichment accompanies cell type- and circuit-specific prelimbic cortical modulation. *bioRxiv : the preprint server for biology*.

Zafiri D, et al. (2025) Dopamine prediction error signaling in a unique nigrostriatal circuit is critical for associative fear learning. *Nature communications*, 16(1), 3066.

Bair-Marshall CJ, et al. (2025) Neural circuit plasticity transforms infant neglect into maternal care. *Research square*.

Alem??n-Andrade P, et al. (2025) Dorsal-Caudal and Ventral Hippocampi Target Different Cell Populations in the Medial Frontal Cortex in Rodents. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 45(22).