

Resource Summary Report

Generated by [NIF](#) on Sep 15, 2026

pAAV-EF1a-double floxed-mCherry-WPRE-HGHpA

RRID:Addgene_20299

Type: Plasmid

Proper Citation

RRID:Addgene_20299

Plasmid Information

URL: <http://www.addgene.org/20299>

Proper Citation: RRID:Addgene_20299

Insert Name: mCherry

Bacterial Resistance: Ampicillin

Vector Backbone Description: Backbone Marker:Stratagene; Backbone Size:5604; Vector Backbone:pAAV; Vector Types:Mammalian Expression, AAV; Bacterial Resistance:Ampicillin

Comments: Please see <http://www.optogenetics.org> for additional information.

Plasmid Name: pAAV-EF1a-double floxed-mCherry-WPRE-HGHpA

Record Creation Time: 20220422T222050+0000

Record Last Update: 20260912T092429+0000

Ratings and Alerts

No rating or validation information has been found for pAAV-EF1a-double floxed-mCherry-WPRE-HGHpA.

No alerts have been found for pAAV-EF1a-double floxed-mCherry-WPRE-HGHpA.

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 [NIF](#) .

Kim HJ, et al. (2025) GluN2B-mediated regulation of silent synapses for receptor specification and addiction memory. *Experimental & molecular medicine*, 57(2), 436.

Kole K, et al. (2022) Parvalbumin basket cell myelination accumulates axonal mitochondria to internodes. *Nature communications*, 13(1), 7598.

Wong FK, et al. (2022) Serotonergic regulation of bipolar cell survival in the developing cerebral cortex. *Cell reports*, 40(1), 111037.

Fleming W, et al. (2022) Cholinergic interneurons mediate cocaine extinction in male mice through plasticity across medium spiny neuron subtypes. *Cell reports*, 39(9), 110874.

Wang RF, et al. (2021) Control of wakefulness by lateral hypothalamic glutamatergic neurons in male mice. *Journal of neuroscience research*, 99(6), 1689.

Yamada S, et al. (2020) Neuropeptide Y neurons in the nucleus accumbens modulate anxiety-like behavior. *Experimental neurology*, 327, 113216.

Bailly J, et al. (2020) Targeting Morphine-Responsive Neurons: Generation of a Knock-In Mouse Line Expressing Cre Recombinase from the Mu-Opioid Receptor Gene Locus. *eNeuro*, 7(3).

Gu Z, et al. (2020) Hippocampal Interneuronal γ nAChRs Modulate Theta Oscillations in Freely Moving Mice. *Cell reports*, 31(10), 107740.

Li MM, et al. (2019) The Paraventricular Hypothalamus Regulates Satiety and Prevents Obesity via Two Genetically Distinct Circuits. *Neuron*, 102(3), 653.

Zhang Q, et al. (2019) Multiplexed peroxidase-based electron microscopy labeling enables simultaneous visualization of multiple cell types. *Nature neuroscience*, 22(5), 828.

Yamaguchi H, et al. (2018) In vivo cell type-specific CRISPR knockdown of dopamine beta hydroxylase reduces locus coeruleus evoked wakefulness. *Nature communications*, 9(1), 5211.

Zhang W, et al. (2017) Optogenetic control with a photocleavable protein, PhoCl. *Nature methods*, 14(4), 391.

Favuzzi E, et al. (2017) Activity-Dependent Gating of Parvalbumin Interneuron Function by the Perineuronal Net Protein Brevican. *Neuron*, 95(3), 639.

Tang AH, et al. (2011) Nerve terminal nicotinic acetylcholine receptors initiate quantal GABA release from perisomatic interneurons by activating axonal T-type (Cav3) Ca^{2+} channels and Ca^{2+} release from stores. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 31(38), 13546.