Resource Summary Report

Generated by RRID on Aug 18, 2026

pOTTC337 - pAAV EF1a DIO mCherry

RRID:Addgene_47636
Type: Plasmid

Proper Citation

RRID:Addgene_47636

Plasmid Information

URL: http://www.addgene.org/47636

Proper Citation: RRID:Addgene_47636

Insert Name: mCherry

Organism: Discosoma sp

Bacterial Resistance: Ampicillin

Defining Citation: PMID:28380331

Vector Backbone Description: Backbone Marker:Karl Deisseroth; Backbone Size:5637; Vector Backbone:pAAV EF1a DIO; Vector Types:Mammalian Expression, AAV, Cre/Lox; Bacterial Resistance:Ampicillin

Comments: This vector has a different 5' cloning junction when compared to Karl Deisseroth's Plasmid 20299.

Plasmid Name: pOTTC337 - pAAV EF1a DIO mCherry

Record Creation Time: 20220422T222245+0000

Record Last Update: 20260815T081544+0000

Ratings and Alerts

No rating or validation information has been found for pOTTC337 - pAAV EF1a DIO mCherry.

No alerts have been found for pOTTC337 - pAAV EF1a DIO mCherry.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 10 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID .

Lee HY, et al. (2025) Astrocytic monoamine oxidase B (MAOB)-gamma-aminobutyric acid (GABA) axis as a molecular brake on repair following spinal cord injury. Signal transduction and targeted therapy, 10(1), 295.

Glotfelty EJ, et al. (2025) Generation and characterization of a tamoxifen-inducible, Cre driver rat for transgene expression in microglia. Scientific reports, 16(1), 1579.

Glotfelty EJ, et al. (2025) Generation and characterization of a tamoxifen-inducible, Cre driver rat for transgene expression in microglia. Research square.

Ma C, et al. (2024) Microglia regulate sleep through calcium-dependent modulation of norepinephrine transmission. Nature neuroscience, 27(2), 249.

Gisabella B, et al. (2020) Regulation of hippocampal dendritic spines following sleep deprivation. The Journal of comparative neurology, 528(3), 380.

Barbano MF, et al. (2020) VTA Glutamatergic Neurons Mediate Innate Defensive Behaviors. Neuron, 107(2), 368.

Miyamoto H, et al. (2019) Impaired cortico-striatal excitatory transmission triggers epilepsy. Nature communications, 10(1), 1917.

B??ck S, et al. (2019) Neuron-Specific Genome Modification in the Adult Rat Brain Using CRISPR-Cas9 Transgenic Rats. Neuron, 102(1), 105.

Richie CT, et al. (2017) Near-infrared fluorescent protein iRFP713 as a reporter protein for optogenetic vectors, a transgenic Cre-reporter rat, and other neuronal studies. Journal of neuroscience methods, 284, 1.

Koh W, et al. (2017) AAV-Mediated Astrocyte-Specific Gene Expression under Human ALDH1L1 Promoter in Mouse Thalamus. Experimental neurobiology, 26(6), 350.