

Resource Summary Report

Generated by [RRID](#) on Aug 19, 2026

[pAAV-Ef1a-DIO-mCherry-WPRE-pA](#)

RRID:Addgene_37083

Type: Plasmid

Proper Citation

RRID:Addgene_37083

Plasmid Information

URL: <http://www.addgene.org/37083>

Proper Citation: RRID:Addgene_37083

Insert Name: mCherry

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:22866029](#)

Vector Backbone Description: Backbone Marker:K. Deisseroth Lab; Backbone Size:5603; Vector Backbone:pAAV-Ef1a-DIO-hChR2(H134R)-mCherry-WPRE-pA; Vector Types:AAV, Cre/Lox, Cre-On; Bacterial Resistance:Ampicillin

Plasmid Name: pAAV-Ef1a-DIO-mCherry-WPRE-pA

Record Creation Time: 20220422T222157+0000

Record Last Update: 20260815T081412+0000

Ratings and Alerts

No rating or validation information has been found for pAAV-Ef1a-DIO-mCherry-WPRE-pA.

No alerts have been found for pAAV-Ef1a-DIO-mCherry-WPRE-pA.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Li C, et al. (2023) A neural circuit for regulating a behavioral switch in response to prolonged uncontrollability in mice. *Neuron*, 111(17), 2727.

Azcorra M, et al. (2023) Unique functional responses differentially map onto genetic subtypes of dopamine neurons. *Nature neuroscience*, 26(10), 1762.

Bensussen S, et al. (2020) A Viral Toolbox of Genetically Encoded Fluorescent Synaptic Tags. *iScience*, 23(7), 101330.

Yao X, et al. (2018) CRISPR/Cas9-mediated Targeted Integration In Vivo Using a Homology-mediated End Joining-based Strategy. *Journal of visualized experiments : JoVE*(133).

Yao X, et al. (2017) Homology-mediated end joining-based targeted integration using CRISPR/Cas9. *Cell research*, 27(6), 801.

Yao X, et al. (2017) CRISPR/Cas9 - Mediated Precise Targeted Integration In Vivo Using a Double Cut Donor with Short Homology Arms. *EBioMedicine*, 20, 19.