Resource Summary Report

Generated by NIF on Jul 31, 2026

pAAV-S5E2-ChR2-mCherry

RRID:Addgene_135634
Type: Plasmid

Proper Citation

RRID:Addgene_135634

Plasmid Information

URL: http://www.addgene.org/135634

Proper Citation: RRID:Addgene_135634

Insert Name: ChR2-mCherry

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Defining Citation: PMID:32807948

Vector Backbone Description: Vector Backbone:AAV-Dlx-GFP; Vector Types:AAV; Bacterial Resistance:Ampicillin

Comments: Please visit https://www.biorxiv.org/content/10.1101/808170v1 for BioRxiv preprint

Plasmid Name: pAAV-S5E2-ChR2-mCherry

Relevant Mutation: None

Record Creation Time: 20220422T221748+0000

Record Last Update: 20260725T073853+0000

Ratings and Alerts

No rating or validation information has been found for pAAV-S5E2-ChR2-mCherry.

No alerts have been found for pAAV-S5E2-ChR2-mCherry.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

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

Clayton KK, et al. (2025) Cortical PV interneurons regulate loudness perception and sustainably reverse loudness hypersensitivity. Neuron.

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

Caccavano AP, et al. (2024) Divergent opioid-mediated suppression of inhibition between hippocampus and neocortex across species and development. bioRxiv : the preprint server for biology.

Hochbaum DR, et al. (2024) Thyroid hormone remodels cortex to coordinate body-wide metabolism and exploration. Cell, 187(20), 5679.

Hartung J, et al. (2024) Layer 1 NDNF interneurons are specialized top-down master regulators of cortical circuits. Cell reports, 43(5), 114212.

Furlanis E, et al. (2024) An enhancer-AAV toolbox to target and manipulate distinct interneuron subtypes. bioRxiv : the preprint server for biology.