Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 13, 2025

pAAV.Syn.NES-jRGECO1a.WPRE.SV40

RRID:Addgene_100854
Type: Plasmid

Proper Citation

RRID:Addgene_100854

Plasmid Information

URL: http://www.addgene.org/100854

Proper Citation: RRID:Addgene_100854

Insert Name: jRGECO1a

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: PMID:27011354

Vector Backbone Description: Vector Backbone:pAAV; Vector Types:Mammalian Expression, AAV; Bacterial Resistance:Ampicillin

Comments: This plasmid was previously available as pAAV.Syn.NES-jRGECO1a.WPRE.SV40(p3849) from the Penn Vector Core. This plasmid was created as part of the GENIE project at Janelia Research Campus.

Plasmid Name: pAAV.Syn.NES-jRGECO1a.WPRE.SV40

Record Creation Time: 20220422T221450+0000

Record Last Update: 20231012T080021+0000

Ratings and Alerts

No rating or validation information has been found for pAAV.Syn.NES-jRGECO1a.WPRE.SV40.

No alerts have been found for pAAV.Syn.NES-jRGECO1a.WPRE.SV40.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 22 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Nguyen QA, et al. (2024) Acetylcholine receptor based chemogenetics engineered for neuronal inhibition and seizure control assessed in mice. Nature communications, 15(1), 601.

Mazo C, et al. (2024) Auditory cortex conveys non-topographic sound localization signals to visual cortex. Nature communications, 15(1), 3116.

Gardères PM, et al. (2024) Coexistence of state, choice, and sensory integration coding in barrel cortex LII/III. Nature communications, 15(1), 4782.

Frechou MA, et al. (2024) Adult neurogenesis improves spatial information encoding in the mouse hippocampus. Nature communications, 15(1), 6410.

Shigetomi E, et al. (2024) Disease-relevant upregulation of P2Y1 receptor in astrocytes enhances neuronal excitability via IGFBP2. Nature communications, 15(1), 6525.

Celinskis D, et al. (2024) Toward a brighter constellation: multiorgan neuroimaging of neural and vascular dynamics in the spinal cord and brain. Neurophotonics, 11(2), 024209.

Tetzlaff SK, et al. (2024) Characterizing and targeting glioblastoma neuron-tumor networks with retrograde tracing. Cell.

Yokoyama T, et al. (2024) A multicolor suite for deciphering population coding of calcium and cAMP in vivo. Nature methods, 21(5), 897.

Virga DM, et al. (2024) Activity-dependent compartmentalization of dendritic mitochondria morphology through local regulation of fusion-fission balance in neurons in vivo. Nature communications, 15(1), 2142.

Yau JO, et al. (2024) State- and Circuit-Dependent Opponent Processing of Fear. The Journal of neuroscience : the official journal of the Society for Neuroscience, 44(38).

Niraula S, et al. (2024) Amyloid Pathology Impairs Experience-Dependent Inhibitory Synaptic Plasticity. The Journal of neuroscience : the official journal of the Society for Neuroscience, 44(5).

Suthard RL, et al. (2024) Engram reactivation mimics cellular signatures of fear. Cell reports, 43(3), 113850.

Formozov A, et al. (2023) A flexible and versatile system for multi-color fiber photometry and optogenetic manipulation. Cell reports methods, 3(3), 100418.

Abedin MJ, et al. (2023) 3D models of glioblastoma interaction with cortical cells. Frontiers in bioengineering and biotechnology, 11, 1150772.

Wang W, et al. (2023) Ultrasound-Induced Cascade Amplification in a Mechanoluminescent Nanotransducer for Enhanced Sono-Optogenetic Deep Brain Stimulation. ACS nano, 17(24), 24936.

Lycas MD, et al. (2022) Nanoscopic dopamine transporter distribution and conformation are inversely regulated by excitatory drive and D2 autoreceptor activity. Cell reports, 40(13), 111431.

Farrell JS, et al. (2021) In vivo endocannabinoid dynamics at the timescale of physiological and pathological neural activity. Neuron, 109(15), 2398.

Kondo M, et al. (2021) Neuronal representations of reward-predicting cues and outcome history with movement in the frontal cortex. Cell reports, 34(5), 108704.

Rigotto G, et al. (2021) Effects of Mild Excitotoxic Stimulus on Mitochondria Ca2+ Handling in Hippocampal Cultures of a Mouse Model of Alzheimer's Disease. Cells, 10(8).

Ming Y, et al. (2021) Microdevice for directional axodendritic connectivity between micro 3D neuronal cultures. Microsystems & nanoengineering, 7, 67.