Resource Summary Report

Generated by RRID on Aug 28, 2026

pAAV.Syn.Flex.NES-jRGECO1a.WPRE.SV40

RRID:Addgene_100853
Type: Plasmid

Proper Citation

RRID:Addgene_100853

Plasmid Information

URL: http://www.addgene.org/100853

Proper Citation: RRID:Addgene_100853

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.Flex.NES-jRGECO1a.WPRE.SV40(p3848) from the Penn Vector Core. This plasmid was created as part of the GENIE project at Janelia Research Campus.

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

Record Creation Time: 20220422T221450+0000

Record Last Update: 20260815T080015+0000

Ratings and Alerts

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

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

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 RRID .

Gorkowska-Nosal M, et al. (2026) The role of dopamine-sensitive motor cortical circuits in the development and execution of skilled forelimb movements. iScience, 29(3), 114983.

Gable J, et al. (2026) Tuft dendrite spikes are accompanied by selective input from distinct functional networks. bioRxiv : the preprint server for biology.

Fei Y, et al. (2025) Coordination of distinct sources of excitatory inputs enhances motion selectivity in the mouse visual thalamus. Neuron.

Vu MT, et al. (2024) Targeted micro-fiber arrays for measuring and manipulating localized multi-scale neural dynamics over large, deep brain volumes during behavior. Neuron, 112(6), 909.

Farrell JS, et al. (2024) Neural and behavioural state switching during hippocampal dentate spikes. Nature.

Medeiros D, et al. (2024) Altered activity of mPFC pyramidal neurons and parvalbumin-expressing interneurons during social interactions in a Mecp2 mouse model for Rett syndrome. bioRxiv : the preprint server for biology.

Fi?ek M, et al. (2023) Cortico-cortical feedback engages active dendrites in visual cortex. Nature, 617(7962), 769.

Yao P, et al. (2023) Construction and use of an adaptive optics two-photon microscope with direct wavefront sensing. Nature protocols, 18(12), 3732.

Szabo GG, et al. (2022) Ripple-selective GABAergic projection cells in the hippocampus. Neuron, 110(12), 1959.

Forli A, et al. (2021) Optogenetic strategies for high-efficiency all-optical interrogation using blue-light-sensitive opsins. eLife, 10.

Hamid AA, et al. (2021) Wave-like dopamine dynamics as a mechanism for spatiotemporal credit assignment. Cell, 184(10), 2733.

Kim D, et al. (2020) Kisspeptin Neuron-Specific and Self-Sustained Calcium Oscillation in the Hypothalamic Arcuate Nucleus of Neonatal Mice: Regulatory Factors of its Synchronization. Neuroendocrinology, 110(11-12), 1010.

Gobbo F, et al. (2020) Neuronal Activity at Synapse Resolution: Reporters and Effectors for Synaptic Neuroscience. Frontiers in molecular neuroscience, 13, 572312.

Ali F, et al. (2019) Parvalbumin-Positive Neuron Loss and Amyloid-? Deposits in the Frontal Cortex of Alzheimer's Disease-Related Mice. Journal of Alzheimer's disease : JAD,

72(4), 1323.