Resource Summary Report

Generated by RRID on Aug 28, 2026

pAAV.Syn.NES.jRCaMP1a.WPRE.SV40

RRID:Addgene_100848
Type: Plasmid

Proper Citation

RRID:Addgene_100848

Plasmid Information

URL: http://www.addgene.org/100848

Proper Citation: RRID:Addgene_100848

Insert Name: jRCaMP1a

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.jRCaMP1a.WPRE.SV40(p3855) from the Penn Vector Core. This plasmid was created as part of the GENIE project at Janelia Research Campus.

Plasmid Name: pAAV.Syn.NES.jRCaMP1a.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.NES.jRCaMP1a.WPRE.SV40.

No alerts have been found for pAAV.Syn.NES.jRCaMP1a.WPRE.SV40.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 12 mentions in open access literature.

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

Ferrari M, et al. (2026) A High-Throughput Live Imaging Platform to Investigate Circuit-Dependent Regulation of Circadian Rhythms in Brain Tissue. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 13(40), e75427.

Patton AP, et al. (2025) Multi-Omic Analysis Reveals Astrocytic Annexin-A2 as Critical for Network-Level Circadian Timekeeping in the Suprachiasmatic Nucleus. Glia, 73(7), 1483.

Rakymzhan A, et al. (2025) Parvalbumin interneurons drive depth-dependent vascular responses. iScience, 28(12), 113965.

Lesuis SL, et al. (2024) Stress disrupts engram ensembles in lateral amygdala to generalize threat memory in mice. Cell.

Hoekstra MMB, et al. (2024) Bmal1 integrates circadian function and temperature sensing in the suprachiasmatic nucleus. Proceedings of the National Academy of Sciences of the United States of America, 121(17), e2316646121.

Vermaercke B, et al. (2024) SYNGAP1 deficiency disrupts synaptic neoteny in xenotransplanted human cortical neurons in??vivo. Neuron, 112(18), 3058.

Sokolov R, et al. (2024) Hyaluronidase-induced matrix remodeling contributes to long-term synaptic changes. Frontiers in neural circuits, 18, 1441280.

Pan YK, et al. (2024) Developing zebrafish utilize taste-signaling pathways for oxygen chemoreception. Current biology : CB, 34(18), 4272.

Zhang SX, et al. (2023) Competition between stochastic neuropeptide signals calibrates the rate of satiation. bioRxiv : the preprint server for biology.

Kubitschke M, et al. (2022) Next generation genetically encoded fluorescent sensors for serotonin. Nature communications, 13(1), 7525.

Morris EL, et al. (2021) Single-cell transcriptomics of suprachiasmatic nuclei reveal a Prokineticin-driven circadian network. The EMBO journal, 40(20), e108614.

Kweon H, et al. (2021) Excitatory neuronal CHD8 in the regulation of neocortical development and sensory-motor behaviors. Cell reports, 34(8), 108780.