Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 5, 2025

pAAV.CAG.GCaMP6s.WPRE.SV40

RRID:Addgene_100844
Type: Plasmid

Proper Citation

RRID:Addgene_100844

Plasmid Information

URL: http://www.addgene.org/100844

Proper Citation: RRID:Addgene_100844

Insert Name: GCaMP6s

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: PMID:23868258

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

Comments: This plasmid was previously available as pAAV.CAG.GCaMP6s.WPRE.SV40 (p2833) from the Penn Vector Core. This plasmid was created as part of the GENIE project at Janelia Research Campus.

Plasmid Name: pAAV.CAG.GCaMP6s.WPRE.SV40

Relevant Mutation: GCaMP3-K78H T302L R303P D380Y T381R S383T R392G

Record Creation Time: 20220422T221450+0000

Record Last Update: 20220422T221457+0000

Ratings and Alerts

No rating or validation information has been found for pAAV.CAG.GCaMP6s.WPRE.SV40.

No alerts have been found for pAAV.CAG.GCaMP6s.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 FDI Lab - SciCrunch.org.

Nimpf S, et al. (2024) Long-term, high-resolution in vivo calcium imaging in pigeons. Cell reports methods, 4(2), 100711.

Yu SB, et al. (2024) Neuronal activity-driven O-GlcNAcylation promotes mitochondrial plasticity. Developmental cell, 59(16), 2143.

Gedeon JY, et al. (2024) In-Vivo Calcium Imaging of Sensory Neurons in the Rat Trigeminal Ganglion. Journal of visualized experiments : JoVE(204).

Qualls KA, et al. (2024) Mineralocorticoid Receptor Antagonism Reduces Inflammatory Pain Measures in Mice Independent of the Receptors on Sensory Neurons. Neuroscience, 541, 64.

Blaeser AS, et al. (2024) Sensitization of meningeal afferents to locomotion-related meningeal deformations in a migraine model. eLife, 12.

Yu SB, et al. (2023) Neuronal activity-driven O-GlcNAcylation promotes mitochondrial plasticity. bioRxiv : the preprint server for biology.

Chapotte-Baldacci CA, et al. (2022) Handling a mature calcium signature through optogenetics improves the differentiation of primary murine myotubes. Cell calcium, 103, 102546.

Dacre J, et al. (2021) A cerebellar-thalamocortical pathway drives behavioral context-dependent movement initiation. Neuron, 109(14), 2326.

Liu X, et al. (2021) Highly redundant neuropeptide volume co-transmission underlying episodic activation of the GnRH neuron dendron. eLife, 10.

Melzer S, et al. (2021) Bombesin-like peptide recruits disinhibitory cortical circuits and enhances fear memories. Cell, 184(22), 5622.

Laviv T, et al. (2020) In Vivo Imaging of the Coupling between Neuronal and CREB Activity

in the Mouse Brain. Neuron, 105(5), 799.

Daliparthi VK, et al. (2019) Transitioning between preparatory and precisely sequenced neuronal activity in production of a skilled behavior. eLife, 8.