Resource Summary Report

Generated by dkNET on Aug 29, 2026

pGP-AAV-CAG-FLEX-jGCaMP7s-WPRE

RRID:Addgene_104495
Type: Plasmid

Proper Citation

RRID:Addgene_104495

Plasmid Information

URL: http://www.addgene.org/104495

Proper Citation: RRID:Addgene_104495

Insert Name: jGCaMP7s

Organism: Rattus norvegicus

Bacterial Resistance: Ampicillin

Defining Citation: PMID:31209382

Vector Backbone Description: Backbone Marker:Scott Sternson; Backbone Size:5027; Vector Backbone:AAV-CAG-FLEX; Vector Types:Mammalian Expression, AAV, Cre/Lox; Bacterial Resistance:Ampicillin

Comments: Please visit https://www.biorxiv.org/content/10.1101/434589v1 for bioRxiv preprint.

Plasmid Name: pGP-AAV-CAG-FLEX-jGCaMP7s-WPRE

Record Creation Time: 20220422T221507+0000

Record Last Update: 20260829T075024+0000

Ratings and Alerts

No rating or validation information has been found for pGP-AAV-CAG-FLEX-jGCaMP7s-WPRE.

No alerts have been found for pGP-AAV-CAG-FLEX-jGCaMP7s-WPRE.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 17 mentions in open access literature.

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

Peng Y, et al. (2026) A GABAergic network from AVP- to VIP-neurons in the suprachiasmatic nucleus sets the timing of circadian behavior rhythms. PLoS biology, 24(3), e3003706.

Iyilikci O, et al. (2025) Age-specific regulation of sociability by hypothalamic Agrp neurons. Current biology : CB.

Molas S, et al. (2024) Dopamine control of social novelty preference is constrained by an interpeduncular-tegmentum circuit. Nature communications, 15(1), 2891.

Sayar-Atasoy N, et al. (2024) Opioidergic signaling contributes to food-mediated suppression of AgRP neurons. Cell reports, 43(1), 113630.

Lee R, et al. (2024) Co-activation of selective nicotinic acetylcholine receptor subtypes is required to reverse hippocampal network dysfunction and prevent fear memory loss in Alzheimer's disease. bioRxiv : the preprint server for biology.

Zaytseva A, et al. (2023) Ketamine's rapid antidepressant effects are mediated by Ca2+-permeable AMPA receptors. eLife, 12.

Tsuno Y, et al. (2023) In vivo recording of suprachiasmatic nucleus dynamics reveals a dominant role of arginine vasopressin neurons in circadian pacesetting. PLoS biology, 21(8), e3002281.

O'Toole SM, et al. (2023) Molecularly targetable cell types in mouse visual cortex have distinguishable prediction error responses. Neuron, 111(18), 2918.

Mendez-Vazquez H, et al. (2023) The autism-associated loss of ??-catenin functions disrupts social behaviors. bioRxiv : the preprint server for biology.

Munz M, et al. (2023) Pyramidal neurons form active, transient, multilayered circuits perturbed by autism-associated mutations at the inception of neocortex. Cell, 186(9), 1930.

Bharioke A, et al. (2022) General anesthesia globally synchronizes activity selectively in layer 5 cortical pyramidal neurons. Neuron, 110(12), 2024.

Islam MT, et al. (2022) Paraventricular hypothalamic vasopressin neurons induce self-grooming in mice. Molecular brain, 15(1), 47.

Kopsick JD, et al. (2022) Temporal dynamics of cholinergic activity in the septo-hippocampal system. Frontiers in neural circuits, 16, 957441.

Peng Y, et al. (2022) Cell Type-Specific Genetic Manipulation and Impaired Circadian Rhythms in Vip tTA Knock-In Mice. Frontiers in physiology, 13, 895633.

Islam MT, et al. (2022) Vasopressin neurons in the paraventricular hypothalamus promote wakefulness via lateral hypothalamic orexin neurons. Current biology : CB, 32(18), 3871.

Mazzone CM, et al. (2020) High-fat food biases hypothalamic and mesolimbic expression of consummatory drives. Nature neuroscience, 23(10), 1253.

Zimmer MR, et al. (2019) Functional Ontogeny of Hypothalamic Agrp Neurons in Neonatal Mouse Behaviors. Cell, 178(1), 44.