

Resource Summary Report

Generated by [RRID](#) on Aug 19, 2026

pGP-AAV-syn-FLEX-jGCaMP7f-WPRE

RRID:Addgene_104492

Type: Plasmid

Proper Citation

RRID:Addgene_104492

Plasmid Information

URL: <http://www.addgene.org/104492>

Proper Citation: RRID:Addgene_104492

Insert Name: jGCaMP7f

Organism: Rattus norvegicus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:31209382](#)

Vector Backbone Description: Backbone Marker:Scott Sternson; Backbone Size:4894; Vector Backbone:AAV-Syn-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-syn-FLEX-jGCaMP7f-WPRE

Record Creation Time: 20220422T221507+0000

Record Last Update: 20260815T080042+0000

Ratings and Alerts

No rating or validation information has been found for pGP-AAV-syn-FLEX-jGCaMP7f-WPRE.

No alerts have been found for pGP-AAV-syn-FLEX-jGCaMP7f-WPRE.

Data and Source Information

Usage and Citation Metrics

We found 38 mentions in open access literature.

Listed below are recent publications. The full list is available at [RRID](#) .

Cohen-Kashi Malina K, et al. (2026) Behavioural states control binocular vision through input-specific mechanisms. *Nature communications*, 17(1).

Duran M, et al. (2026) The central amygdala gates exogenous glucagon-like peptide 1 signals. *Molecular metabolism*, 110, 102403.

Gongwer MW, et al. (2026) A cell type-specific mechanism driving the rapid antidepressant effects of transcranial magnetic stimulation. *Cell*, 189(10), 3052.

Adank DN, et al. (2026) Insular Somatostatin Interneurons Are Targeted by Motor Cortex Efferents and Modulate Affective States. *Biological psychiatry global open science*, 6(4), 100728.

Landry T, et al. (2025) Targeting glucose-inhibited hippocampal CCK interneurons prevents cognitive impairment in diet-induced obesity. *Neuron*.

Klumpp M, et al. (2025) Syntalos: a software for precise synchronization of simultaneous multi-modal data acquisition and closed-loop interventions. *Nature communications*, 16(1), 708.

Carmona LM, et al. (2025) Corticothalamic neurons in motor cortex have a permissive role in motor execution. *Nature communications*, 16(1), 4735.

Lebonville CL, et al. (2025) Alcohol drinking is associated with greater calcium activity in mouse central amygdala dynorphin-expressing neurons. *bioRxiv : the preprint server for biology*.

Gongwer MW, et al. (2025) A cell type-specific mechanism driving the rapid antidepressant effects of transcranial magnetic stimulation. *bioRxiv : the preprint server for biology*.

B??ldi R, et al. (2025) Synaptic organization and associative learning-related activity of basolateral amygdala interneurons. *Cell reports*, 44(10), 116295.

Yi JH, et al. (2025) Selective engagement of prefrontal VIP neurons in reversal learning. *Science advances*, 11(30), eadt4945.

Tsutsui-Kimura I, et al. (2025) Dopamine in the tail of the striatum facilitates avoidance in threat-reward conflicts. *Nature neuroscience*, 28(4), 795.

Garg R, et al. (2025) Dopaminergic short axon cells integrate sensory and top-down inputs to enhance discriminative learning in the mouse olfactory bulb. *PLoS biology*, 23(9), e3003375.

Bae JW, et al. (2025) Cortical VIP neurons as a critical node for dopamine actions. *Science advances*, 11(1), eadn3221.

Haun H, et al. (2025) Septo-hypothalamic regulation of binge-like alcohol consumption by the nociceptin system. *Cell reports*, 44(4), 115482.

Rakela B, et al. (2025) Integration of Transplanted Interneurons Over a New Period of Ocular Dominance Plasticity in Adult Visual Cortex. *bioRxiv : the preprint server for biology*.

van der Zouwen CI, et al. (2025) Cell-type specific sensory and motor activity in the cuneiform nucleus and pedunculopontine nucleus in mice. *Scientific reports*, 15(1), 20408.

Yun S, et al. (2025) Cellular-Resolution and Bulk-Fluorescence Recordings of Calcium Activity Yield Reciprocal Readouts of In Vivo Drug Efficacy. *Synapse (New York, N.Y.)*, 79(2), e70011.

Garg R, et al. (2025) Basal forebrain cholinergic input mediates adaptive attention allocation to enhance olfactory discrimination. *PLoS biology*, 23(9), e3003374.

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.