Resource Summary Report

Generated by RRID on Aug 18, 2026

pGP-AAV-syn-jGCaMP7f-WPRE

RRID:Addgene_104488
Type: Plasmid

Proper Citation

RRID:Addgene_104488

Plasmid Information

URL: http://www.addgene.org/104488

Proper Citation: RRID:Addgene_104488

Insert Name: jGCaMP7f

Organism: Rattus norvegicus

Bacterial Resistance: Ampicillin

Defining Citation: PMID:31209382

Vector Backbone Description: Backbone Size:4579; Vector Backbone:AAV-Syn; Vector Types:Mammalian Expression, AAV; Bacterial Resistance:Ampicillin

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

Plasmid Name: pGP-AAV-syn-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-jGCaMP7f-WPRE.

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

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 83 mentions in open access literature.

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

Guzman AR, et al. (2026) Protocol for characterization of spatiotemporal network dynamics in cortical and hippocampal assembloids. STAR protocols, 7(2), 104463.

Plitt MH, et al. (2026) Hippocampal place code plasticity in CA1 requires postsynaptic membrane fusion. Neuron, 114(8), 1473.

Halvorsen AT, et al. (2026) CRISPR inhibition of activity-dependent Arc expression in the adult mouse brain has limited effects on plasticity in visual cortex and nucleus accumbens. bioRxiv : the preprint server for biology.

Ruan S, et al. (2026) Basal ganglia output dynamically controls skilled forelimb kinematics in real time. bioRxiv : the preprint server for biology.

Yamanouchi HM, et al. (2026) YORU: Animal behavior detection with object-based approach for real-time closed-loop feedback. Science advances, 12(7), eadw2109.

Ishida H, et al. (2026) Altered sensory neuron activity in a mouse model of post-burn pain and itch. Research square.

Haley SP, et al. (2026) Cortex-wide characterization of decision-making neural dynamics during spatial navigation. Nature communications, 17(1).

Keevers LJ, et al. (2026) Nucleus accumbens shell activity reflects reward magnitude and training duration during Pavlovian and operant conditioning. Neurobiology of learning and memory, 225, 108143.

An L, et al. (2026) Contamination of Engram Coactivity Networks During Forgetting. bioRxiv : the preprint server for biology.

Masumura R, et al. (2026) Developmental oligodendrocytes regulate brain function through the mediation of synchronized spontaneous activity. eLife, 14.

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

Jia C, et al. (2025) Social Exclusion Amplifies Behavioral Responses to Physical Pain via Insular Neuromodulation. bioRxiv : the preprint server for biology.

Zhang Z, et al. (2025) A real-time all-optical interface for dynamic perturbation of neural activity during behavior. Cell reports methods, 5(10), 101180.

Dorian CC, et al. (2025) Hippocampal sequences represent working memory and implicit timing. Cell reports, 44(10), 116383.

Madruga BA, et al. (2025) Open-source, high performance miniature 2-photon microscopy systems for freely behaving animals. Nature communications, 16(1), 7125.

Lee H, et al. (2025) A dedicated skin-to-brain circuit for cool sensation in mice. Nature communications, 16(1), 6731.

Zeidler Z, et al. (2025) Directed cell-type recruitment during consolidation of a remote memory. bioRxiv : the preprint server for biology.

Sattin A, et al. (2025) Aberration correction in long GRIN lens-based microendoscopes for extended field-of-view two-photon imaging in deep brain regions. eLife, 13.

Tobin M, et al. (2025) Distinct Inhibitory Neurons Differently Shape Neuronal Codes for Sound Intensity in the Auditory Cortex. The Journal of neuroscience : the official journal of the Society for Neuroscience, 45(2).

Sosa M, et al. (2025) A flexible hippocampal population code for experience relative to reward. Nature neuroscience, 28(7), 1497.