

Resource Summary Report

Generated by [nidm-terms](#) on Aug 9, 2026

pGP-AAV-syn-jGCaMP7s-WPRE

RRID:Addgene_104487

Type: Plasmid

Proper Citation

RRID:Addgene_104487

Plasmid Information

URL: <http://www.addgene.org/104487>

Proper Citation: RRID:Addgene_104487

Insert Name: jGCaMP7s

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-jGCaMP7s-WPRE

Record Creation Time: 20220422T221507+0000

Record Last Update: 20260808T080333+0000

Ratings and Alerts

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

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

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 41 mentions in open access literature.

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

Hou S, et al. (2026) Functional bipartition of medial prefrontal cortex into salience detection and movement gain. bioRxiv : the preprint server for biology.

Wu S, et al. (2026) Predifferentiation Neurotoxicity of GenX Exposure on hiPSC-Derived Cortical Neurons. Environmental science & technology, 60(13), 9857.

Blot FGC, et al. (2026) 2P-FENDO-II: A fiber bundle microscope for all-optical, large field-of-view brain studies in freely moving mice. Cell reports methods, 6(2), 101305.

Harding EK, et al. (2025) Locus coeruleus microcircuitry processes periaqueductal gray inputs into distinct outputs for regulation of pain and anxiety. Cell reports, 44(12), 116699.

Laing BT, et al. (2025) Repetitive Grooming Behavior Following Aversive Stimulus Coincides with a Decrease in Anterior Hypothalamic Area Activity. eNeuro, 12(1).

Li X, et al. (2025) Homeostatic scaling of dynorphin signaling by a non-canonical opioid receptor. Nature communications, 16(1), 6786.

Décarie-Spain L, et al. (2025) Ventral hippocampus neurons encode meal-related memory. Nature communications, 16(1), 4898.

Lou S, et al. (2025) Targeting microRNA-dependent control of X chromosome inactivation improves the Rett Syndrome phenotype. Nature communications, 16(1), 6169.

Tackenberg MC, et al. (2025) Normal circadian period length requires repression of Npas2 by REV-ERB nuclear receptors. Cell reports, 44(10), 116437.

Lo H, et al. (2025) Feeding-induced olfactory cortex suppression reduces satiation. Neuron, 113(17), 2856.

Mena W, et al. (2025) Differential Encoding of Odor and Place in the Mouse Piriform and Entorhinal Cortex. eNeuro, 12(10).

Das A, et al. (2025) Exposure to COVID-19 virus-like particles modulates firing patterns of cortical neurons in the mouse brain. Communications biology, 8(1), 993.

Lansbury EL, et al. (2025) Neurons Co-Expressing GLP-1, CCK, and PYY Receptors Particularly in Right Nodose Ganglion and Innervating Entire GI Tract in Mice. International journal of molecular sciences, 26(5).

Sungeelee S, et al. (2025) A genetically defined pontine nucleus essential for ingestion in mice. Proceedings of the National Academy of Sciences of the United States of America, 122(29), e2411174122.

Turner K, et al. (2025) Type-I nNOS neurons orchestrate cortical neural activity and vasomotion. eLife, 14.

Gribizis A, et al. (2025) Retinal waves reveal axial biases in modular patterns of cortical activity that predict future orientation preferences. *bioRxiv : the preprint server for biology*.

Turner KL, et al. (2025) Type-I nNOS neurons orchestrate cortical neural activity and vasomotion. *bioRxiv : the preprint server for biology*.

Mena W, et al. (2025) Differential encoding of odor and place in mouse piriform and entorhinal cortex. *bioRxiv : the preprint server for biology*.

Wu S, et al. (2024) Developmental neurotoxicity of PFOA exposure on hiPSC-derived cortical neurons. *Environment international*, 190, 108914.

Douthwaite C, et al. (2024) Probing cerebellar circuit dysfunction in rodent models of spinocerebellar ataxia by means of in vivo two-photon calcium imaging. *STAR protocols*, 5(1), 102911.