Resource Summary Report

Generated by NIF on Jul 30, 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: 20260725T073407+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 38 mentions in open access literature.

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

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

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.

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.

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

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

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

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

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).

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.

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.

Mena W, et al. (2025) Differential encoding of odor and place in mouse piriform and entorhinal cortex. 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.

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.

Teng S, et al. (2024) Expression of GCaMP6s in the dentate gyrus induces tonic-clonic seizures. Scientific reports, 14(1), 8104.

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.

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

McDonald KO, et al. (2024) Transcription Factor-Mediated Generation of Dopaminergic Neurons from Human iPSCs-A Comparison of Methods. Cells, 13(12).

Hasegawa M, et al. (2024) Network state changes in sensory thalamus represent learned outcomes. Nature communications, 15(1), 7830.