Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 8, 2025

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: 20230915T080039+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

Source: Addgene

Usage and Citation Metrics

We found 11 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

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.

Amo R, et al. (2024) Glutamate inputs send prediction error of reward, but not negative value of aversive stimuli, to dopamine neurons. Neuron, 112(6), 1001.

Shi J, et al. (2024) 2P-NucTag: on-demand phototagging for molecular analysis of functionally identified cortical neurons. bioRxiv : the preprint server for biology.

Vinograd A, et al. (2024) Intrinsic Dynamics and Neural Implementation of a Hypothalamic Line Attractor Encoding an Internal Behavioral State. bioRxiv : the preprint server for biology.

Chen C, et al. (2024) Neural circuit basis of placebo pain relief. Nature, 632(8027), 1092.

Wang H, et al. (2024) Prefrontal cortical dynorphin peptidergic transmission constrains threat-driven behavioral and network states. Neuron, 112(12), 2062.

Klioutchnikov A, et al. (2023) A three-photon head-mounted microscope for imaging all layers of visual cortex in freely moving mice. Nature methods, 20(4), 610.

Joffe ME, et al. (2022) Acute restraint stress redirects prefrontal cortex circuit function through mGlu5 receptor plasticity on somatostatin-expressing interneurons. Neuron, 110(6), 1068.

Webb JM, et al. (2022) An excitatory peri-tegmental reticular nucleus circuit for wake maintenance. Proceedings of the National Academy of Sciences of the United States of America, 119(34), e2203266119.

Bae JW, et al. (2021) Parallel processing of working memory and temporal information by distinct types of cortical projection neurons. Nature communications, 12(1), 4352.

Antonini A, et al. (2020) Extended field-of-view ultrathin microendoscopes for high-resolution

two-photon imaging with minimal invasiveness. eLife, 9.