

Resource Summary Report

Generated by [FDI Lab - SciCrunch.org](#) on Apr 20, 2025

pGP-AAV-syn-FLEX-jGCaMP7s-WPRE

RRID:Addgene_104491

Type: Plasmid

Proper Citation

RRID:Addgene_104491

Plasmid Information

URL: <http://www.addgene.org/104491>

Proper Citation: RRID:Addgene_104491

Insert Name: jGCaMP7s

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-jGCaMP7s-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-jGCaMP7s-WPRE.

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

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 15 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Haggerty DL, et al. (2024) Sex-dependent, lateralized engagement of anterior insular cortex inputs to the dorsolateral striatum in binge alcohol drinking. eLife, 13.

Ma J, et al. (2024) Convergent direct and indirect cortical streams shape avoidance decisions in mice via the midline thalamus. Nature communications, 15(1), 6598.

Tang Q, et al. (2023) A leptin-responsive hypothalamic circuit inputs to the circadian feeding network. bioRxiv : the preprint server for biology.

Laing BT, et al. (2023) Anterior hypothalamic parvalbumin neurons are glutamatergic and promote escape behavior. Current biology : CB, 33(15), 3215.

Tang Q, et al. (2023) Leptin receptor neurons in the dorsomedial hypothalamus input to the circadian feeding network. Science advances, 9(34), eadh9570.

Rawlinson S, et al. (2022) In Vivo Photometry Reveals Insulin and 2-Deoxyglucose Maintain Prolonged Inhibition of VMH Vglut2 Neurons in Male Mice. Endocrinology, 163(8).

Szabo GG, et al. (2022) Ripple-selective GABAergic projection cells in the hippocampus. Neuron, 110(12), 1959.

Topilko T, et al. (2022) Edinger-Westphal peptidergic neurons enable maternal preparatory nesting. Neuron, 110(8), 1385.

Boutagouga Boudjadja M, et al. (2022) Hypothalamic AgRP neurons exert top-down control on systemic TNF- α release during endotoxemia. Current biology : CB, 32(21), 4699.

Yau JO, et al. (2021) The Roles of Basolateral Amygdala Parvalbumin Neurons in Fear Learning. The Journal of neuroscience : the official journal of the Society for Neuroscience, 41(44), 9223.

Feng H, et al. (2021) The entorhinal cortex modulates trace fear memory formation and

neuroplasticity in the mouse lateral amygdala via cholecystokinin. *eLife*, 10.

Aklan I, et al. (2020) NTS Catecholamine Neurons Mediate Hypoglycemic Hunger via Medial Hypothalamic Feeding Pathways. *Cell metabolism*, 31(2), 313.

Jensen-Cody SO, et al. (2020) FGF21 Signals to Glutamatergic Neurons in the Ventromedial Hypothalamus to Suppress Carbohydrate Intake. *Cell metabolism*, 32(2), 273.

Masuho I, et al. (2020) A Global Map of G Protein Signaling Regulation by RGS Proteins. *Cell*, 183(2), 503.

Crouse RB, et al. (2020) Acetylcholine is released in the basolateral amygdala in response to predictors of reward and enhances the learning of cue-reward contingency. *eLife*, 9.