

Resource Summary Report

Generated by [PRECISE-TBI](#) on Sep 3, 2026

pGP-AAV-CAG-FLEX-jGCaMP7f-WPRE

RRID:Addgene_104496

Type: Plasmid

Proper Citation

RRID:Addgene_104496

Plasmid Information

URL: <http://www.addgene.org/104496>

Proper Citation: RRID:Addgene_104496

Insert Name: jGCaMP7f

Organism: Rattus norvegicus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:31209382](#)

Vector Backbone Description: Backbone Marker:Scott Sternson; Backbone Size:5027; Vector Backbone:AAV-CAG-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-CAG-FLEX-jGCaMP7f-WPRE

Record Creation Time: 20220422T221507+0000

Record Last Update: 20260902T041022+0000

Ratings and Alerts

No rating or validation information has been found for pGP-AAV-CAG-FLEX-jGCaMP7f-WPRE.

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

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Yamada Y, et al. (2026) Hindbrain neurons that underlie water discrimination and consumption. *Current biology* : CB, 36(7), 1787.

Jin S, et al. (2025) Reward-driven cerebellar climbing fiber activity influences both neural and behavioral learning. *Current biology* : CB.

Santos-Valencia F, et al. (2025) Climbing fibers selectively recruit disinhibitory interneurons to enhance dendritic calcium signaling in cerebellar Purkinje cells. *bioRxiv* : the preprint server for biology.

Lesuis SL, et al. (2024) Stress disrupts engram ensembles in lateral amygdala to generalize threat memory in mice. *Cell*.

Messanvi F, et al. (2024) Galanin receptor 1 expressing neurons in hippocampal-prefrontal circuitry modulate goal directed attention and impulse control. *bioRxiv* : the preprint server for biology.

Zhang Y, et al. (2023) Fast and sensitive GCaMP calcium indicators for imaging neural populations. *Nature*, 615(7954), 884.