

Resource Summary Report

Generated by [SPARC SAWG](#) on Sep 5, 2026

pGP-AAV-CAG-FLEX-jGCaMP8m-WPRE

RRID:Addgene_162381

Type: Plasmid

Proper Citation

RRID:Addgene_162381

Plasmid Information

URL: <http://www.addgene.org/162381>

Proper Citation: RRID:Addgene_162381

Insert Name: jGCaMP8m

Organism: R. norvegicus (rat), G. gallus (chicken); A. victoria (jellyfish)

Bacterial Resistance: Ampicillin

Vector Backbone Description: Backbone Marker:Scott Sternson; Vector Backbone:AAV-CAG-FLEX; Vector Types:Mammalian Expression, AAV, Cre/Lox; Bacterial Resistance:Ampicillin

Comments: For additional description and application data, see Zhang & Rózsa et al. (2023). Fast and sensitive GCaMP calcium indicators for imaging neural populations. Nature, 615(7954), 884–891. <https://doi.org/10.1038/s41586-023-05828-9>.

Plasmid Name: pGP-AAV-CAG-FLEX-jGCaMP8m-WPRE

Relevant Mutation: A25G F286Y

Record Creation Time: 20220422T221918+0000

Record Last Update: 20260905T075055+0000

Ratings and Alerts

No rating or validation information has been found for pGP-AAV-CAG-FLEX-jGCaMP8m-WPRE.

No alerts have been found for pGP-AAV-CAG-FLEX-jGCaMP8m-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 [SPARC SAWG](#) .

Jung F, et al. (2025) The DMC-Behavior Platform: An Open-Source Framework for Auditory-Guided Perceptual Decision-Making in Head-Fixed Mice. eNeuro, 12(4).

Ramirez JM, et al. (2025) The role of medullary astrocytes in breathing and arousal: insights into glial regulation of respiratory function. Research square.

Beacher NJ, et al. (2025) Miniscope Imaging of Nucleus Accumbens Neural Activity in Freely Behaving Rats: Virus Injection, Gradient Index Lens Implantation, Recording Strategies, and Analytical Methods. Current protocols, 5(1), e70090.

Han X, et al. (2024) Higher-order cortical and thalamic pathways shape visual processing streams in the mouse cortex. Current biology : CB, 34(24), 5671.

Combs DJ, et al. (2024) Mapping changes in uterine contractility during the ovulatory cycle with wide-area calcium imaging in live mice. 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.