

Resource Summary Report

Generated by [NIF](#) on Aug 19, 2026

AAV-CamKIIa-jGCaMP8m-WPRE

RRID:Addgene_176751

Type: Plasmid

Proper Citation

RRID:Addgene_176751

Plasmid Information

URL: <http://www.addgene.org/176751>

Proper Citation: RRID:Addgene_176751

Insert Name: jGCaMP8m

Organism: Rattus norvegicus

Bacterial Resistance: Ampicillin

Vector Backbone Description: Vector Backbone:AAV; Vector Types:Mammalian Expression, AAV; Bacterial Resistance:Ampicillin

Plasmid Name: AAV-CamKIIa-jGCaMP8m-WPRE

Record Creation Time: 20220422T222021+0000

Record Last Update: 20260815T081102+0000

Ratings and Alerts

No rating or validation information has been found for AAV-CamKIIa-jGCaMP8m-WPRE.

No alerts have been found for AAV-CamKIIa-jGCaMP8m-WPRE.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Fernández-Peña C, et al. (2026) Autonomic C1 neurons promote anxiety via activation of vIPAG. *Neuron*.

Barnard IL, et al. (2025) Activity of CaMKII-expressing neurons in medial prefrontal cortex of male and female Long-Evans rats is necessary for encoding odor information and novelty recognition in an odor-based incidental memory test. *Cerebral cortex* (New York, N.Y. : 1991), 35(8).

Medeiros D, et al. (2024) Altered activity of mPFC pyramidal neurons and parvalbumin-expressing interneurons during social interactions in a Mecp2 mouse model for Rett syndrome. *bioRxiv : the preprint server for biology*.

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