

Resource Summary Report

Generated by [PRECISE-TBI](#) on Sep 2, 2026

pGP-CMV-jGCaMP7f

RRID:Addgene_104483

Type: Plasmid

Proper Citation

RRID:Addgene_104483

Plasmid Information

URL: <http://www.addgene.org/104483>

Proper Citation: RRID:Addgene_104483

Insert Name: jGCaMP7f

Organism: Rattus norvegicus

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:31209382](#)

Vector Backbone Description: Vector Backbone:pCMV; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Comments: Please visit <https://www.biorxiv.org/content/10.1101/434589v1> for bioRxiv preprint.

Plasmid Name: pGP-CMV-jGCaMP7f

Record Creation Time: 20220422T221507+0000

Record Last Update: 20260902T041022+0000

Ratings and Alerts

No rating or validation information has been found for pGP-CMV-jGCaMP7f.

No alerts have been found for pGP-CMV-jGCaMP7f.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 9 mentions in open access literature.

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

Guillaumin A, et al. (2026) Dorsal Raphe VIP Neurons Are Critical for Survival-Oriented Vigilance. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 13(18), e23809.

Tolve M, et al. (2025) The endocytic adaptor AP-2 maintains Purkinje cell function by balancing cerebellar parallel and climbing fiber synapses. *Cell reports*, 44(2), 115256.

Dost?Z, et al. (2024) Quercetin protects cardiomyoblasts against hypertonic cytotoxicity by abolishing intracellular Ca²⁺ elevations and mitochondrial depolarisation. *Biochemical pharmacology*, 222, 116094.

Rimbault C, et al. (2024) Engineering paralog-specific PSD-95 recombinant binders as minimally interfering multimodal probes for advanced imaging techniques. *eLife*, 13.

Safaralizade M, et al. (2021) Measuring nuclear calcium and actin assembly in living cells. *Journal of biochemistry*, 169(3), 287.

Maneshi MM, et al. (2020) Orai1 Channels Are Essential for Amplification of Glutamate-Evoked Ca²⁺ Signals in Dendritic Spines to Regulate Working and Associative Memory. *Cell reports*, 33(9), 108464.

Chia JSM, et al. (2019) Bacteria evoke alarm behaviour in zebrafish. *Nature communications*, 10(1), 3831.

Caglar M, et al. (2019) All-Optical Detection of Neuronal Membrane Depolarization in Live Cells Using Colloidal Quantum Dots. *Nano letters*, 19(12), 8539.

Antinucci P, et al. (2019) Pretectal neurons control hunting behaviour. *eLife*, 8.