

Resource Summary Report

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

pGP-CMV-GCaMP6f

RRID:Addgene_40755

Type: Plasmid

Proper Citation

RRID:Addgene_40755

Plasmid Information

URL: <http://www.addgene.org/40755>

Proper Citation: RRID:Addgene_40755

Insert Name: GCaMP6f

Organism: Rattus norvegicus

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:23868258](#)

Vector Backbone Description: Backbone Marker:Clontech; Backbone Size:3955; Vector Backbone:pEGFP-N1; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Plasmid Name: pGP-CMV-GCaMP6f

Record Creation Time: 20220422T222211+0000

Record Last Update: 20260815T081438+0000

Ratings and Alerts

No rating or validation information has been found for pGP-CMV-GCaMP6f.

No alerts have been found for pGP-CMV-GCaMP6f.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 116 mentions in open access literature.

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

Inagaki S, et al. (2026) Isotonic and minimally invasive optical clearing media for live cell imaging ex vivo and in vivo. *Nature methods*, 23(4), 839.

Yang L, et al. (2026) Light-based modulation of astrocytic calcium for regulation of organelle dynamics and morphogenesis. *The Journal of cell biology*, 225(7).

Ranzau BL, et al. (2025) A Genetically Encoded Fluorescent Biosensor for Intracellular Measurement of Malonyl-CoA. *ACS bio & med chem Au*, 5(1), 184.

O'Reilly CL, et al. (2025) Combining In Vivo 2-Photon Imaging with Photoactivatable Fluorescent Labeling Shows Low Rates of Mitochondrial Dynamics in Skeletal Muscle. *Medicine and science in sports and exercise*, 57(10), 2324.

Seveno M, et al. (2025) The malaria parasite PP1 phosphatase controls the initiation of the egress pathway of asexual blood-stages by regulating the rounding-up of the vacuole. *PLoS pathogens*, 21(1), e1012455.

Gadiyar V, et al. (2025) Phospholipid scramblases TMEM16F and Xkr8 mediate distinct features of phosphatidylserine (PS) externalization and immune suppression to promote tumor growth. *Cell death discovery*, 11(1), 506.

Strucinska K, et al. (2025) A role for Fis1 in dendritic development. *Scientific reports*, 16(1), 3594.

Suda H, et al. (2025) MSL10 is a high-sensitivity mechanosensor in the tactile sense of the Venus flytrap. *Nature communications*, 16(1), 8280.

Merta H, et al. (2025) Spatial proteomics of ER tubules reveals CLMN, an ER-actin tether at focal adhesions that promotes cell migration. *Cell reports*, 44(4), 115502.

Strucinska K, et al. (2025) Fis1 is required for the development of the dendritic mitochondrial network in pyramidal cortical neurons. *bioRxiv : the preprint server for biology*.

Marymonchyk A, et al. (2025) Neural stem cell quiescence and activation dynamics are regulated by feedback input from their progeny under homeostatic and regenerative conditions. *Cell stem cell*, 32(3), 445.

Fuse H, et al. (2025) An anhydrobiotic cell line expressing odorant receptors shows odorant responses after dry storage. *Scientific reports*, 15(1), 35533.

Fernández de la Puebla M, et al. (2025) IP3R2-Mediated Astrocytic Ca²⁺ Transients Are Critical to Sustain Modulatory Effects of Locomotion on Neurons in Mouse Somatosensory Cortex. *Cells*, 14(14).

Matsumata M, et al. (2025) The habenula-interpeduncular nucleus-median raphe pathway regulates the outcome of social dominance conflicts in mice. *Current biology : CB*, 35(9), 2064.

Lee R, et al. (2024) Co-activation of selective nicotinic acetylcholine receptor subtypes is required to reverse hippocampal network dysfunction and prevent fear memory loss in Alzheimer's disease. *bioRxiv : the preprint server for biology*.

Jab?rek M, et al. (2024) Mitochondria to plasma membrane redox signaling is essential for fatty acid β -oxidation-driven insulin secretion. *Redox biology*, 75, 103283.

Kim N, et al. (2024) Delayed recruitment of activity-dependent bulk endocytosis in Fmr1 knockout neurons. *Journal of neurochemistry*, 168(9), 3019.

Mesa D, et al. (2024) A tripartite organelle platform links growth factor receptor signaling to mitochondrial metabolism. *Nature communications*, 15(1), 5119.

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

Pavluch V, et al. (2023) Deficiency of transcription factor Nkx6.1 does not prevent insulin secretion in INS-1E cells. *Scientific reports*, 13(1), 683.