

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 11, 2026

pN1-GCaMP6m-XC

RRID:Addgene_111543

Type: Plasmid

Proper Citation

RRID:Addgene_111543

Plasmid Information

URL: <http://www.addgene.org/111543>

Proper Citation: RRID:Addgene_111543

Insert Name: GCaMP6m-XC

Organism: Synthetic

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:29666364](#)

Vector Backbone Description: Vector Backbone:pEGFP-N1; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Plasmid Name: pN1-GCaMP6m-XC

Record Creation Time: 20220422T221543+0000

Record Last Update: 20260808T080440+0000

Ratings and Alerts

No rating or validation information has been found for pN1-GCaMP6m-XC.

No alerts have been found for pN1-GCaMP6m-XC.

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 [SPARC SAWG](#) .

Hirsch F, et al. (2026) Impairment of neuronal activity occurs at the early stages of the aggregation cascade of A β 1-42 and mutant Tau. *Disease models & mechanisms*, 19(3).

Hirsch F, et al. (2025) Impairment of neuronal activity occurs at the early stages of the aggregation cascade of A β 1-42 and mutant Tau. *bioRxiv : the preprint server for biology*.

Chen X, et al. (2024) Antisense oligonucleotide therapeutic approach for Timothy syndrome. *Nature*, 628(8009), 818.

Ratajczyk S, et al. (2022) A Ca²⁺-Mediated Switch of Epiplakin from a Diffuse to Keratin-Bound State Affects Keratin Dynamics. *Cells*, 11(19).

Kubitschke M, et al. (2022) Next generation genetically encoded fluorescent sensors for serotonin. *Nature communications*, 13(1), 7525.

Geng J, et al. (2022) Chronic Ca²⁺ imaging of cortical neurons with long-term expression of GCaMP-X. *eLife*, 11.

Liu L, et al. (2022) Template-independent genome editing in the Pcdh15av-3j mouse, a model of human DFNB23 nonsyndromic deafness. *Cell reports*, 40(2), 111061.

Grosser JA, et al. (2021) Characteristics of intracellular propagation of mitochondrial BAX recruitment during apoptosis. *Apoptosis : an international journal on programmed cell death*, 26(1-2), 132.

Liu ZZ, et al. (2021) Identification of pimavanserin tartrate as a potent Ca²⁺-calcineurin-NFAT pathway inhibitor for glioblastoma therapy. *Acta pharmacologica Sinica*, 42(11), 1860.