

Resource Summary Report

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

pcDNA3-Cyto-GCaMP3

RRID:Addgene_64853

Type: Plasmid

Proper Citation

RRID:Addgene_64853

Plasmid Information

URL: <http://www.addgene.org/64853>

Proper Citation: RRID:Addgene_64853

Insert Name: GCaMP3

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:25056880](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:5446;
Vector Backbone:pcDNA3; Vector Types:Mammalian Expression; Bacterial
Resistance:Ampicillin

Plasmid Name: pcDNA3-Cyto-GCaMP3

Record Creation Time: 20220422T222410+0000

Record Last Update: 20260815T081814+0000

Ratings and Alerts

No rating or validation information has been found for pcDNA3-Cyto-GCaMP3.

No alerts have been found for pcDNA3-Cyto-GCaMP3.

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 [RRID](#) .

van der Linden FH, et al. (2025) A green lifetime biosensor for calcium that remains bright over its full dynamic range. *eLife*, 14.

Saatci O, et al. (2024) Targeting LINC00152 activates cAMP/Ca²⁺/ferroptosis axis and overcomes tamoxifen resistance in ER+ breast cancer. *Cell death & disease*, 15(6), 418.

Chow HM, et al. (2021) Low-Density Lipoprotein Receptor-Related Protein 6 Cell Surface Availability Regulates Fuel Metabolism in Astrocytes. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 8(16), e2004993.

Han S, et al. (2021) The role of Mfn2 in the structure and function of endoplasmic reticulum-mitochondrial tethering in vivo. *Journal of cell science*, 134(13).

Yu L, et al. (2020) Src couples estrogen receptor to the anticipatory unfolded protein response and regulates cancer cell fate under stress. *Biochimica et biophysica acta. Molecular cell research*, 1867(10), 118765.

García F, et al. (2020) Astaxanthin Counteracts Excitotoxicity and Reduces the Ensuing Increases in Calcium Levels and Mitochondrial Reactive Oxygen Species Generation. *Marine drugs*, 18(6).