# Resource Summary Report

Generated by NIF on Sep 11, 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:** 20260905T075934+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 NIF .

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.

Garc??a 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).