

Resource Summary Report

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

[pLV-mitoGFP](#)

RRID:Addgene_44385

Type: Plasmid

Proper Citation

RRID:Addgene_44385

Plasmid Information

URL: <http://www.addgene.org/44385>

Proper Citation: RRID:Addgene_44385

Insert Name: mitoGFP

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:23314018](#)

Vector Backbone Description: Backbone Size:6727; Vector Backbone:pLV; Vector Types:Mammalian Expression, Lentiviral; Bacterial Resistance:Ampicillin

Plasmid Name: pLV-mitoGFP

Record Creation Time: 20220422T222229+0000

Record Last Update: 20260815T081514+0000

Ratings and Alerts

No rating or validation information has been found for pLV-mitoGFP.

No alerts have been found for pLV-mitoGFP.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 17 mentions in open access literature.

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

Aldrich J, et al. (2026) Evaluating Intracellular Location and ROS Scavenging by Manganese Dioxide Nanoparticles in Chondrocytes. *ACS applied materials & interfaces*, 18(1), 649.

Dreute J, et al. (2025) Synergistic targeting of cancer cells through simultaneous inhibition of key metabolic enzymes. *Cell death and differentiation*.

Tang M, et al. (2025) A positive feedback loop between SMAD3 and PINK1 in regulation of mitophagy. *Cell discovery*, 11(1), 22.

Prosdocimi E, et al. (2024) BioID-based intact cell interactome of the Kv1.3 potassium channel identifies a Kv1.3-STAT3-p53 cellular signaling pathway. *Science advances*, 10(36), eadn9361.

Watson DC, et al. (2023) GAP43-dependent mitochondria transfer from astrocytes enhances glioblastoma tumorigenicity. *Nature cancer*, 4(5), 648.

Cheon Y, et al. (2023) A Novel Interaction between MFN2/Marf and MARK4/PAR-1 Is Implicated in Synaptic Defects and Mitochondrial Dysfunction. *eNeuro*, 10(8).

Kole K, et al. (2022) Parvalbumin basket cell myelination accumulates axonal mitochondria to internodes. *Nature communications*, 13(1), 7598.

Tan HWS, et al. (2022) A degradative to secretory autophagy switch mediates mitochondria clearance in the absence of the mATG8-conjugation machinery. *Nature communications*, 13(1), 3720.

Chen J, et al. (2022) PFKP alleviates glucose starvation-induced metabolic stress in lung cancer cells via AMPK-ACC2 dependent fatty acid oxidation. *Cell discovery*, 8(1), 52.

Moore AS, et al. (2021) Actin cables and comet tails organize mitochondrial networks in mitosis. *Nature*, 591(7851), 659.

Do JS, et al. (2021) Mesenchymal stromal cell mitochondrial transfer to human induced T-regulatory cells mediates FOXP3 stability. *Scientific reports*, 11(1), 10676.

Chen C, et al. (2021) USP30 protects against oxygen-glucose deprivation/reperfusion induced mitochondrial fragmentation and ubiquitination and degradation of MFN2. *Aging*, 13(4), 6194.

Bi Y, et al. (2021) Bone marrow derived-mesenchymal stem cell improves diabetes-associated fatty liver via mitochondria transformation in mice. *Stem cell research & therapy*, 12(1), 602.

Andersen JP, et al. (2020) Aster-B coordinates with Arf1 to regulate mitochondrial cholesterol transport. *Molecular metabolism*, 42, 101055.

Humphries BA, et al. (2020) Enhanced mitochondrial fission suppresses signaling and metastasis in triple-negative breast cancer. *Breast cancer research : BCR*, 22(1), 60.

Wu MJ, et al. (2019) Epithelial-Mesenchymal Transition Directs Stem Cell Polarity via Regulation of Mitofusin. *Cell metabolism*, 29(4), 993.

Chen YC, et al. (2018) Functional Isolation of Tumor-Initiating Cells using Microfluidic-Based Migration Identifies Phosphatidylserine Decarboxylase as a Key Regulator. *Scientific reports*, 8(1), 244.