

Resource Summary Report

Generated by [RRID](#) on Sep 1, 2026

mito-PAGFP

RRID:Addgene_23348

Type: Plasmid

Proper Citation

RRID:Addgene_23348

Plasmid Information

URL: <http://www.addgene.org/23348>

Proper Citation: RRID:Addgene_23348

Insert Name: PAGFP

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:14769861](#)

Vector Backbone Description: Backbone Size:4059; Vector Backbone:mito-GFP (BD Biosciences); Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Plasmid Name: mito-PAGFP

Record Creation Time: 20220422T222103+0000

Record Last Update: 20260829T080226+0000

Ratings and Alerts

No rating or validation information has been found for mito-PAGFP.

No alerts have been found for mito-PAGFP.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 36 mentions in open access literature.

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

Gatti P, et al. (2025) Mitochondria- and ER-associated actin are required for mitochondrial fusion. *Nature communications*, 16(1), 451.

Bapat O, et al. (2024) VAP spatially stabilizes dendritic mitochondria to locally support synaptic plasticity. *Nature communications*, 15(1), 205.

Coscia SM, et al. (2024) An interphase actin wave promotes mitochondrial content mixing and organelle homeostasis. *Nature communications*, 15(1), 3793.

Chevrollier A, et al. (2024) Homozygous MFN2 variants causing severe antenatal encephalopathy with clumped mitochondria. *Brain : a journal of neurology*, 147(1), 91.

Hu D, et al. (2023) TMEM135 links peroxisomes to the regulation of brown fat mitochondrial fission and energy homeostasis. *Nature communications*, 14(1), 6099.

Sloat SR, et al. (2023) A dominant negative mitofusin causes mitochondrial perinuclear clusters because of aberrant tethering. *Life science alliance*, 6(1).

Gatti P, et al. (2023) Mitochondria- and ER-associated actin are required for mitochondrial fusion. *bioRxiv : the preprint server for biology*.

Martínez-Mármol R, et al. (2023) SARS-CoV-2 infection and viral fusogens cause neuronal and glial fusion that compromises neuronal activity. *Science advances*, 9(23), eadg2248.

Lurette O, et al. (2022) Mitochondrial matrix-localized Src kinase regulates mitochondrial morphology. *Cellular and molecular life sciences : CMLS*, 79(6), 327.

Ke PY, et al. (2022) Baicalein Activates Parkin-Dependent Mitophagy through NDP52 and OPTN. *Cells*, 11(7).

Qin X, et al. (2022) Identification of an autoinhibitory, mitophagy-inducing peptide derived from the transmembrane domain of USP30. *Autophagy*, 18(9), 2178.

Moruzzi N, et al. (2022) Mitochondrial impairment and intracellular reactive oxygen species alter primary cilia morphology. *Life science alliance*, 5(12).

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

Charif M, et al. (2021) Dominant mutations in MIEF1 affect mitochondrial dynamics and cause a singular late onset optic neuropathy. *Molecular neurodegeneration*, 16(1), 12.

Duan X, et al. (2020) Dynamic organelle distribution initiates actin-based spindle migration in mouse oocytes. *Nature communications*, 11(1), 277.

Samanas NB, et al. (2020) Defective nucleotide-dependent assembly and membrane fusion in Mfn2 CMT2A variants improved by Bax. *Life science alliance*, 3(5).

Chaudhry A, et al. (2020) A pipeline for multidimensional confocal analysis of mitochondrial morphology, function, and dynamics in pancreatic β -cells. *American journal of physiology. Endocrinology and metabolism*, 318(2), E87.

Maloney DM, et al. (2020) Optimized OPA1 Isoforms 1 and 7 Provide Therapeutic Benefit in Models of Mitochondrial Dysfunction. *Frontiers in neuroscience*, 14, 571479.

Aggarwal S, et al. (2019) Depletion of dAKAP1-protein kinase A signaling islands from the outer mitochondrial membrane alters breast cancer cell metabolism and motility. *The Journal of biological chemistry*, 294(9), 3152.

Schiavon CR, et al. (2019) ELMOD2 regulates mitochondrial fusion in a mitofusin-dependent manner, downstream of ARL2. *Molecular biology of the cell*, 30(10), 1198.