

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.