

Resource Summary Report

Generated by [RRID](#) on Aug 20, 2026

[pclbw-mitoTagRFP](#)

RRID:Addgene_58425

Type: Plasmid

Proper Citation

RRID:Addgene_58425

Plasmid Information

URL: <http://www.addgene.org/58425>

Proper Citation: RRID:Addgene_58425

Insert Name: mito-tagRFP

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:24703695](#)

Vector Backbone Description: Backbone Marker:gifted by C. Lois and D. Baltimore;
Vector Backbone:pclbw; Vector Types:Mammalian Expression, Retroviral; Bacterial
Resistance:Ampicillin

Plasmid Name: pclbw-mitoTagRFP

Record Creation Time: 20220422T222338+0000

Record Last Update: 20260815T081716+0000

Ratings and Alerts

No rating or validation information has been found for pclbw-mitoTagRFP.

No alerts have been found for pclbw-mitoTagRFP.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 8 mentions in open access literature.

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

Chen B, et al. (2026) BRD4-mediated ER membrane contact creates functionally distinct mitochondrial subtypes. *Molecular cell*, 86(5), 917.

Chen B, et al. (2024) BRD4-mediated epigenetic regulation of endoplasmic reticulum-mitochondria contact sites is governed by the mitochondrial complex III. *bioRxiv* : the preprint server for biology.

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

Hoppins S, et al. (2020) In vitro and in vivo assays for mitochondrial fission and fusion. *Methods in cell biology*, 155, 491.

Samanas NB, et al. (2020) Cell-Free Analysis of Mitochondrial Fusion by Fluorescence Microscopy. *Methods in molecular biology* (Clifton, N.J.), 2159, 129.

Kang JH, et al. (2020) Monitoring and modeling of lymphocytic leukemia cell bioenergetics reveals decreased ATP synthesis during cell division. *Nature communications*, 11(1), 4983.

Engelhart EA, et al. (2019) A catalytic domain variant of mitofusin requiring a wildtype paralog for function uncouples mitochondrial outer-membrane tethering and fusion. *The Journal of biological chemistry*, 294(20), 8001.

Sloat SR, et al. (2019) Identification of a mitofusin specificity region that confers unique activities to Mfn1 and Mfn2. *Molecular biology of the cell*, 30(17), 2309.