

Resource Summary Report

Generated by [kravitz2](#) on Aug 24, 2026

pLPCX mito roGFP2-Orp1

RRID:Addgene_64992

Type: Plasmid

Proper Citation

RRID:Addgene_64992

Plasmid Information

URL: <http://www.addgene.org/64992>

Proper Citation: RRID:Addgene_64992

Insert Name: Orp1

Organism: Saccharomyces cerevisiae

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:19755417](#)

Vector Backbone Description: Backbone Marker:Clontech; Vector Backbone:pLPCX; Vector Types:Mammalian Expression, Retroviral; Bacterial Resistance:Ampicillin

Plasmid Name: pLPCX mito roGFP2-Orp1

Relevant Mutation: mitochondrial targeting sequence

Record Creation Time: 20220422T222410+0000

Record Last Update: 20260815T081814+0000

Ratings and Alerts

No rating or validation information has been found for pLPCX mito roGFP2-Orp1.

No alerts have been found for pLPCX mito roGFP2-Orp1.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 10 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Stein CS, et al. (2025) Mitoregulin Promotes Cell Cycle Progression in Non-Small Cell Lung Cancer Cells. International journal of molecular sciences, 26(5).

Šunátová K, et al. (2024) Mitochondrial translation is the primary determinant of secondary mitochondrial complex I deficiencies. iScience, 27(8), 110560.

Serikbaeva A, et al. (2024) Resilience to diabetic retinopathy. Progress in retinal and eye research, 101, 101271.

Kidwell CU, et al. (2023) Transferred mitochondria accumulate reactive oxygen species, promoting proliferation. eLife, 12.

Datta S, et al. (2023) Mitophagy initiates retrograde mitochondrial-nuclear signaling to guide retinal pigment cell heterogeneity. Autophagy, 19(3), 966.

Davies BM, et al. (2023) Real-time analysis of dynamic compartmentalized GSH redox shifts and H₂O₂ availability in undifferentiated and differentiated cells. Biochimica et biophysica acta. General subjects, 1867(5), 130321.

Thöni V, et al. (2022) Quantum based effects of therapeutic nuclear magnetic resonance persistently reduce glycolysis. iScience, 25(12), 105536.

Tsai CW, et al. (2022) Mechanisms and significance of tissue-specific MICU regulation of the mitochondrial calcium uniporter complex. Molecular cell, 82(19), 3661.

Henríquez-Olguin C, et al. (2019) Cytosolic ROS production by NADPH oxidase 2 regulates muscle glucose uptake during exercise. Nature communications, 10(1), 4623.

Hinchey EC, et al. (2018) Mitochondria-derived ROS activate AMP-activated protein kinase (AMPK) indirectly. The Journal of biological chemistry, 293(44), 17208.