

Resource Summary Report

Generated by [kravitz2](#) on Aug 9, 2026

pLPCX roGFP2-Orp1

RRID:Addgene_64991

Type: Plasmid

Proper Citation

RRID:Addgene_64991

Plasmid Information

URL: <http://www.addgene.org/64991>

Proper Citation: RRID:Addgene_64991

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 roGFP2-Orp1

Record Creation Time: 20220422T222410+0000

Record Last Update: 20260808T081959+0000

Ratings and Alerts

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

No alerts have been found for pLPCX roGFP2-Orp1.

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 [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).

Talwar D, et al. (2023) The GAPDH redox switch safeguards reductive capacity and enables survival of stressed tumour cells. Nature metabolism, 5(4), 660.

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.

Fernández-Puente E, et al. (2021) Genetically Encoded Biosensors to Monitor Intracellular Reactive Oxygen and Nitrogen Species and Glutathione Redox Potential in Skeletal Muscle Cells. International journal of molecular sciences, 22(19).

Alberdi P, et al. (2019) The redox metabolic pathways function to limit Anaplasma phagocytophilum infection and multiplication while preserving fitness in tick vector cells. Scientific reports, 9(1), 13236.

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