

Resource Summary Report

Generated by [NIF](#) on Sep 10, 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: 20260905T075935+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 [NIF](#) .

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.