

Resource Summary Report

Generated by [RRID](#) on Aug 25, 2026

pLYS1-FLAG-MitoGFP-HA

RRID:Addgene_50057

Type: Plasmid

Proper Citation

RRID:Addgene_50057

Plasmid Information

URL: <http://www.addgene.org/50057>

Proper Citation: RRID:Addgene_50057

Insert Name: Mito-GFP

Organism: Other

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:24231807](https://pubmed.ncbi.nlm.nih.gov/24231807/)

Vector Backbone Description: Backbone Size:7331; Vector Backbone:pLYS1; Vector Types:Mammalian Expression, Lentiviral; Bacterial Resistance:Ampicillin

Plasmid Name: pLYS1-FLAG-MitoGFP-HA

Record Creation Time: 20220422T222257+0000

Record Last Update: 20260815T081604+0000

Ratings and Alerts

No rating or validation information has been found for pLYS1-FLAG-MitoGFP-HA.

No alerts have been found for pLYS1-FLAG-MitoGFP-HA.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 14 mentions in open access literature.

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

Akhtar A, et al. (2025) Bioengineering the metabolic network of CAR T cells with GLP-1 and Urolithin A increases persistence and long-term anti-tumor activity. *Cell reports. Medicine*, 6(3), 102021.

Chatterjee B, et al. (2024) Moderate Elevation of Homocysteine Induces Endothelial Dysfunction through Adaptive UPR Activation and Metabolic Rewiring. *Cells*, 13(3).

Lenz LS, et al. (2023) Mitochondrial response of glioma cells to temozolomide. *Experimental cell research*, 433(2), 113825.

Namwanje M, et al. (2023) Exogenous mitochondrial transfer increases energy expenditure and attenuates adiposity gains in mice with diet-induced obesity. *bioRxiv : the preprint server for biology*.

Faizan MI, et al. (2022) NSP4 and ORF9b of SARS-CoV-2 Induce Pro-Inflammatory Mitochondrial DNA Release in Inner Membrane-Derived Vesicles. *Cells*, 11(19).

Bapst AM, et al. (2022) Neurogenic and pericytic plasticity of conditionally immortalized cells derived from renal erythropoietin-producing cells. *Journal of cellular physiology*, 237(5), 2420.

Moya MV, et al. (2022) Unique molecular features and cellular responses differentiate two populations of motor cortical layer 5b neurons in a preclinical model of ALS. *Cell reports*, 38(12), 110556.

Markhard AL, et al. (2022) A genetically encoded system for oxygen generation in living cells. *Proceedings of the National Academy of Sciences of the United States of America*, 119(43), e2207955119.

Yu Y, et al. (2021) Fis1 phosphorylation by Met promotes mitochondrial fission and hepatocellular carcinoma metastasis. *Signal transduction and targeted therapy*, 6(1), 401.

English K, et al. (2020) Astrocytes rescue neuronal health after cisplatin treatment through mitochondrial transfer. *Acta neuropathologica communications*, 8(1), 36.

Zaoui K, et al. (2019) Ran promotes membrane targeting and stabilization of RhoA to orchestrate ovarian cancer cell invasion. *Nature communications*, 10(1), 2666.

Booty LM, et al. (2019) Selective Disruption of Mitochondrial Thiol Redox State in Cells and In Vivo. *Cell chemical biology*, 26(3), 449.

Drori A, et al. (2019) Cannabinoid-1 receptor regulates mitochondrial dynamics and function in renal proximal tubular cells. *Diabetes, obesity & metabolism*, 21(1), 146.

Boukelmoune N, et al. (2018) Mitochondrial transfer from mesenchymal stem cells to neural stem cells protects against the neurotoxic effects of cisplatin. *Acta neuropathologica communications*, 6(1), 139.