

Resource Summary Report

Generated by [RRID](#) on Aug 22, 2026

[pHLUM](#)

RRID:Addgene_40276

Type: Plasmid

Proper Citation

RRID:Addgene_40276

Plasmid Information

URL: <http://www.addgene.org/40276>

Proper Citation: RRID:Addgene_40276

Insert Name: LEU2

Organism: *Saccharomyces cerevisiae*

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:23222782](#)

Vector Backbone Description: Backbone Marker:ATCC, Number: 77142; Backbone Size:4967; Vector Backbone:pRS313; Vector Types:Yeast Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pHLUM

Record Creation Time: 20220422T222209+0000

Record Last Update: 20260815T081435+0000

Ratings and Alerts

No rating or validation information has been found for pHLUM.

No alerts have been found for pHLUM.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 9 mentions in open access literature.

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

Xiao T, et al. (2024) The phospholipids cardiolipin and phosphatidylethanolamine differentially regulate MDC biogenesis. *The Journal of cell biology*, 223(5).

Raghuram N, et al. (2024) Amino acids trigger MDC-dependent mitochondrial remodeling by altering mitochondrial function. *bioRxiv : the preprint server for biology*.

Schuler MH, et al. (2021) Mitochondrial-derived compartments facilitate cellular adaptation to amino acid stress. *Molecular cell*, 81(18), 3786.

Hughes CE, et al. (2020) Cysteine Toxicity Drives Age-Related Mitochondrial Decline by Altering Iron Homeostasis. *Cell*, 180(2), 296.

Zelezniak A, et al. (2018) Machine Learning Predicts the Yeast Metabolome from the Quantitative Proteome of Kinase Knockouts. *Cell systems*, 7(3), 269.

Campbell K, et al. (2016) Methionine Metabolism Alters Oxidative Stress Resistance via the Pentose Phosphate Pathway. *Antioxidants & redox signaling*, 24(10), 543.

Müller M, et al. (2016) Functional Metabolomics Describes the Yeast Biosynthetic Regulome. *Cell*, 167(2), 553.

Kumar A, et al. (2016) Posttranslational arginylation enzyme Ate1 affects DNA mutagenesis by regulating stress response. *Cell death & disease*, 7(9), e2378.

Campbell K, et al. (2015) Self-establishing communities enable cooperative metabolite exchange in a eukaryote. *eLife*, 4.