

Resource Summary Report

Generated by [RRID](#) on Aug 27, 2026

pMXs-3XMyc-EGFP-OMP25

RRID:Addgene_83355

Type: Plasmid

Proper Citation

RRID:Addgene_83355

Plasmid Information

URL: <http://www.addgene.org/83355>

Proper Citation: RRID:Addgene_83355

Insert Name: 3XMyc-EGFP-OMP25

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:27565352](#)

Vector Backbone Description: Backbone Marker:Cell BioLabs ; Backbone Size:5600;
Vector Backbone:pMXs rtv-016; Vector Types:Mammalian Expression, Retroviral;
Bacterial Resistance:Ampicillin

Plasmid Name: pMXs-3XMyc-EGFP-OMP25

Record Creation Time: 20220422T222539+0000

Record Last Update: 20260815T082104+0000

Ratings and Alerts

No rating or validation information has been found for pMXs-3XMyc-EGFP-OMP25.

No alerts have been found for pMXs-3XMyc-EGFP-OMP25.

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 [RRID](#) .

Khan A, et al. (2025) Machine-learning-guided discovery of SLC25A45 as a mediator of mitochondrial methylated amino acid import and carnitine synthesis. *Cell metabolism*, 37(11), 2220.

Gao G, et al. (2025) Dysregulation of mitochondrial α -ketoglutarate dehydrogenase leads to elevated lipid peroxidation in CHCHD2-linked Parkinson's disease models. *Nature communications*, 16(1), 1982.

Ohba Y, et al. (2025) Mitochondrial cardiolipin remodeling facilitates efficient myoblast differentiation. *Journal of lipid research*, 66(11), 100909.

Kim JE, et al. (2024) Glucose-mediated mitochondrial reprogramming by cholesterol export at TM4SF5-enriched mitochondria-lysosome contact sites. *Cancer communications (London, England)*, 44(1), 47.

Tábara LC, et al. (2024) MTFP1 controls mitochondrial fusion to regulate inner membrane quality control and maintain mtDNA levels. *Cell*, 187(14), 3619.

Shi X, et al. (2022) Combinatorial GxGxE CRISPR screen identifies SLC25A39 in mitochondrial glutathione transport linking iron homeostasis to OXPHOS. *Nature communications*, 13(1), 2483.

Cretin E, et al. (2021) High-throughput screening identifies suppressors of mitochondrial fragmentation in OPA1 fibroblasts. *EMBO molecular medicine*, 13(6), e13579.

Tran DH, et al. (2021) Mitochondrial NADP⁺ is essential for proline biosynthesis during cell growth. *Nature metabolism*, 3(4), 571.

Yoo HC, et al. (2020) A Variant of SLC1A5 Is a Mitochondrial Glutamine Transporter for Metabolic Reprogramming in Cancer Cells. *Cell metabolism*, 31(2), 267.

Chen WW, et al. (2017) Rapid immunopurification of mitochondria for metabolite profiling and absolute quantification of matrix metabolites. *Nature protocols*, 12(10), 2215.