

Resource Summary Report

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

pLJM5-WT PHGDH

RRID:Addgene_83901

Type: Plasmid

Proper Citation

RRID:Addgene_83901

Plasmid Information

URL: <http://www.addgene.org/83901>

Proper Citation: RRID:Addgene_83901

Insert Name: Phosphoglycerate dehydrogenase

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:27110680](#)

Vector Backbone Description: Backbone Size:8010; Vector Backbone:pLJM5; Vector Types:Mammalian Expression, Lentiviral; Bacterial Resistance:Ampicillin

Plasmid Name: pLJM5-WT PHGDH

Record Creation Time: 20220422T222541+0000

Record Last Update: 20260815T082112+0000

Ratings and Alerts

No rating or validation information has been found for pLJM5-WT PHGDH.

No alerts have been found for pLJM5-WT PHGDH.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Mäntyselkä S, et al. (2026) Mechanical Loading Induces Distinct and Shared Responses in Endothelial and Muscle Cells and Reveals Exercise-Like Molecular Profiles. FASEB journal : official publication of the Federation of American Societies for Experimental Biology, 40(14), e72132.

Eade K, et al. (2021) Serine biosynthesis defect due to haploinsufficiency of PHGDH causes retinal disease. Nature metabolism, 3(3), 366.

Bia?opiotrowicz E, et al. (2020) Serine Biosynthesis Pathway Supports MYC-miR-494-EZH2 Feed-Forward Circuit Necessary to Maintain Metabolic and Epigenetic Reprogramming of Burkitt Lymphoma Cells. Cancers, 12(3).

Dalton WB, et al. (2019) Hotspot SF3B1 mutations induce metabolic reprogramming and vulnerability to serine deprivation. The Journal of clinical investigation, 129(11), 4708.

Yoshino H, et al. (2017) PHGDH as a Key Enzyme for Serine Biosynthesis in HIF2?-Targeting Therapy for Renal Cell Carcinoma. Cancer research, 77(22), 6321.