

Resource Summary Report

Generated by [NIF](#) on Aug 26, 2026

pLHCX-Flag-mPKM1

RRID:Addgene_42511

Type: Plasmid

Proper Citation

RRID:Addgene_42511

Plasmid Information

URL: <http://www.addgene.org/42511>

Proper Citation: RRID:Addgene_42511

Insert Name: Pyruvate Kinase M1

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:22052977](#)

Vector Backbone Description: Backbone Marker:Clontech; Backbone Size:6800; Vector Backbone:pLHCX; Vector Types:Retroviral; Bacterial Resistance:Ampicillin

Comments: Plasmid constructed by Heather Christofk in Lew Cantley's Lab. Ref: Christofk, H. R., Vander Heiden, M. G., Harris, M. H., Ramanathan, A., Gerszten, R. E., Wei, R., Fleming, M. D., et al. (2008). The M2 splice isoform of pyruvate kinase is important for cancer metabolism and tumour growth. Nature, 452(7184), 230–233. doi:10.1038/nature06734 The depositing scientist notes: NM_011099.3 is PKM2 and NM_001253883.1 is PKM1, based on sequence homology of the respective translated products to the human PKM isoforms. The isoform annotations in the corresponding GeneBank entries are incorrect.

Plasmid Name: pLHCX-Flag-mPKM1

Record Creation Time: 20220422T222219+0000

Record Last Update: 20260815T081454+0000

Ratings and Alerts

No rating or validation information has been found for pLHCX-Flag-mPKM1.

No alerts have been found for pLHCX-Flag-mPKM1.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Fan N, et al. (2022) Covalent Inhibition of Pyruvate Kinase M2 Reprograms Metabolic and Inflammatory Pathways in Hepatic Macrophages against Non-alcoholic Fatty Liver Disease. International journal of biological sciences, 18(14), 5260.

Kim B, et al. (2018) Endothelial pyruvate kinase M2 maintains vascular integrity. The Journal of clinical investigation, 128(10), 4543.