

Resource Summary Report

Generated by [dkNET](#) on Aug 16, 2026

pET-28a-hPKM1

RRID:Addgene_44241

Type: Plasmid

Proper Citation

RRID:Addgene_44241

Plasmid Information

URL: <http://www.addgene.org/44241>

Proper Citation: RRID:Addgene_44241

Insert Name: Pyruvate Kinase M1

Organism: Homo sapiens

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:18337815](#)

Vector Backbone Description: Backbone Marker:Novagen; Backbone Size:5400; Vector Backbone:pET-28a; Vector Types:Bacterial Expression; Bacterial Resistance:Kanamycin

Plasmid Name: pET-28a-hPKM1

Record Creation Time: 20220422T222229+0000

Record Last Update: 20260815T081514+0000

Ratings and Alerts

No rating or validation information has been found for pET-28a-hPKM1.

No alerts have been found for pET-28a-hPKM1.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Anastasakis DG, et al. (2024) Nuclear PKM2 binds pre-mRNA at folded G-quadruplexes and reveals their gene regulatory role. *Molecular cell*, 84(19), 3775.

Kim SH, et al. (2022) Single-Cell FISH Analysis Reveals Distinct Shifts in PKM Isoform Populations during Drug Resistance Acquisition. *Biomolecules*, 12(8).

Xue Y, et al. (2021) AAV-Txnip prolongs cone survival and vision in mouse models of retinitis pigmentosa. *eLife*, 10.

Shankar Babu M, et al. (2018) Lapachol inhibits glycolysis in cancer cells by targeting pyruvate kinase M2. *PloS one*, 13(2), e0191419.

Abeywardana T, et al. (2018) CARM1 suppresses de novo serine synthesis by promoting PKM2 activity. *The Journal of biological chemistry*, 293(39), 15290.

Iansante V, et al. (2015) PARP14 promotes the Warburg effect in hepatocellular carcinoma by inhibiting JNK1-dependent PKM2 phosphorylation and activation. *Nature communications*, 6, 7882.

Kim DJ, et al. (2015) Pyruvate kinase isoenzyme M2 is a therapeutic target of gemcitabine-resistant pancreatic cancer cells. *Experimental cell research*, 336(1), 119.