# Resource Summary Report

Generated by RRID on Aug 22, 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 RRID .

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.