

Recombinant Mouse PKM cell lysate

Cat. No. PKM-001MCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Mouse PKM2 / OIP3 derived in Baculovirus-Insect cells. The whole cell lysate is provided in 1X Sample Buffer.
Species	Mouse
Source	Insect Cells
Preparation method	Transfected cells were cultured for 48hrs before collection. The cells were lysed in modified RIPA buffer with cocktail of protease inhibitors. Cell debris was removed by centrifugation and then centrifuged to clarify the lysate. The cell lysate was boiled for 5 minutes in 1 x SDS sample buffer (50 mM Tris-HCl pH 6.8, 12.5% glycerol, 1% sodium dodecylsulfate, 0.01% bromophenol blue) containing 5% b-mercaptoethanol, and lyophilized.
Lysis buffer	Modified RIPA Lysis Buffer: 50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF
Quality control Testing	12.5% SDS-PAGE Stained with Coomassie Blue
Recommended Usage	1. Centrifuge the tube for a few seconds and ensure the pellet at the bottom of the tube.2. Re-dissolve the pellet using 200µL pure water and boiled for 2-5 min.3. Store it at -80°C. Recommend to aliquot the cell lysate into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.Notes:The lysate is ready to load on SDS-PAGE for Western blot application. If dissociating conditions are required, add

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	reducing agent prior to heating.
Stability	Samples are stable for up to twelve months from date of receipt at -80°C
Storage Buffer	50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF
Storage Instruction	Lysate samples are stable for 12 months from date of receipt when stored at -80°C. Avoid repeated freeze-thaw cycles. Prior to SDS-PAGE fractionation, boil the lysate for 5 minutes.

GENE INFORMATION

Gene Name	Pkm pyruvate kinase, muscle [Mus musculus]
Official Symbol	Pkm
Synonyms	Pk3; Pk-2; Pk-3; Pkm2; AA414905; AL024370; AL024424; pyruvate kinase, muscle; pyruvate kinase 3; pyruvate kinase PKM; pyruvate kinase isozymes M1/M2; pyruvate kinase muscle isozyme
Gene ID	18746
mRNA Refseq	NM_001253883
Protein Refseq	NP_001240812
UniProt ID	P52480
Chromosome Location	9 B; 9 32.03 Cm

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Pathway

Adenine ribonucleotide biosynthesis, IMP =>ADP,ATP, organism-specific biosystem;
Glucose metabolism, organism-specific biosystem

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