

Recombinant Mouse Pkm Protein, His-tagged

Cat. No. Pkm-968M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse PKM (NP_001240812.1) (Pro2-Pro531) was expressed with a polyhistidine tag at the N-terminus.
Species	Mouse
Source	Insect Cells
ProteinLength	2-531 a.a.
Predicted N Terminal	His
Form	Lyophilized from sterile 20mM Tris, 500mM NaCl, 10% glycerol, pH 8.0, 5%~8% trehalose and mannitol.
Molecular Mass	The recombinant mouse PKM consists of 548 amino acids and predicts a molecular mass of 60 KDa. It migrates as an approximately 59 KDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	>90 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be

 Tel: 1-631-559-9269 1-516-512-3133

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aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name Pkm pyruvate kinase, muscle [*Mus musculus*]

Official Symbol Pkm

Synonyms Pk3; Pk-2; Pk-3; Pkm2; AA414905; AL024370; AL024424

Gene ID 18746

mRNA Refseq NM_001253883

Protein Refseq NP_001240812

MIM

UniProt ID P52480

Chromosome Location 9 B; 9 32.03 cM

Pathway

Adenine ribonucleotide biosynthesis, IMP =>ADP,ATP, organism-specific biosystem;
Biosynthesis of amino acids, organism-specific biosystem; Carbon metabolism,
conserved biosystem

Function

ADP binding; metal ion binding; poly(A) RNA binding

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