

Recombinant Human PKM, His-tagged

Cat. No. PKM-8295H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PKM protein, fused to His-tag at N-terminus, was expressed in E.coli.
Species	Human
Source	E.coli
Description	Pyruvate kinase is a key enzyme in the glycolytic pathway. The M2 isoenzyme of pyruvate kinase is specifically expressed at high levels in tumour cells, and can be measured in plasma of patients with advanced breast cancer. The marker is useful for measuring disease activity, sensitivity to chemotherapy and recurrence. recombinant human M2PK is expressed in E. coli with an amino-terminal hexahistidine tag. This product is for research use only and is not intended for diagnostic or therapeutic use
Form	Liquid.
Molecular Mass	62.4kDa
Purity	>95% by SDS-PAGE
Applications	ELISA, Western Blot, Dot Blot, Immunohistology chemistry, Immunoassays, Development of Rapid tests and other immunoassay,
Storage	≤-20°C

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Storage Buffer Carrier free format presented in 50% glycerol buffered with saline or Tris

GENE INFORMATION

Gene Name PKM pyruvate kinase, muscle [Homo sapiens]

Official Symbol PKM

Synonyms pyruvate kinase, muscle;PKM;CTHBP;OIP3;PK3;PKM2;TCB;THBP1;OIP-3;

Gene ID 5315

MIM 179050

UniProt ID P14618

Chromosome Location 15q22

Pathway Adenine ribonucleotide biosynthesis, IMP =>ADP,ATP, organism-specific biosystem; Adenine ribonucleotide biosynthesis, IMP =>ADP,ATP, conserved biosystem; Glucose metabolism, organism-specific biosystem; Glycolysis, organism-specific biosystem; Glycolysis (Embden-Meyerhof pathway), glucose =>pyruvate, organism-specific biosystem; Glycolysis / Gluconeogenesis, conserved biosystem; Glycolysis and Gluconeogenesis, organism-specific biosystem

Function ADP binding; ATP binding; magnesium ion binding; potassium ion binding; protein binding; pyruvate kinase activity

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