

## Recombinant Human PKM, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant human PKM protein, fused to His-tag at N-terminus, was expressed in E.coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	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
<b>Form</b>	Liquid.
<b>Molecular Mass</b>	62.4kDa
<b>Purity</b>	>95% by SDS-PAGE
<b>Applications</b>	ELISA, Western Blot, Dot Blot, Immunohistology chemistry, Immunoassays, Development of Rapid tests and other immunoassay,
<b>Storage</b>	≤-20°C

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**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

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA