Recombinant Human PKM2, His-tagged

Cat. No. PKM2-31019TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human PKM2 with an N-terminal hexahistidine tag
Species	Human
Source	E.coli
Description	This gene encodes a protein involved in glycolysis. The encoded protein is a pyruvate kinase that catalyzes the transfer of a phosphoryl group from phosphoenolpyruvate to ADP, generating ATP and pyruvate. This protein has been shown to interact with thyroid hormone and may mediate cellular metabolic effects induced by thyroid hormones. This protein has been found to bind Opa protein, a bacterial outer membrane protein involved in gonococcal adherence to and invasion of human cells, suggesting a role of this protein in bacterial pathogenesis. Several alternatively spliced transcript variants encoding a few distinct isoforms have been reported.
Conjugation	HIS
Tissue specificity	Specifically expressed in proliferating cells, such as embryonic stem cells, embryonic carcinoma cells, as well as cancer cells.
Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: NoneConstituents: 50% Glycerol, 20mM Tris, pH 8

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Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Sequence Similarities	Belongs to the pyruvate kinase family.

GENE INFORMATION

Gene Name	PKM2 pyruvate kinase, muscle [Homo sapiens]
Official Symbol	PKM2
Synonyms	PKM2; pyruvate kinase, muscle; pyruvate kinase isozymes M1/M2; OIP3; PK3; THBP1;
Gene ID	5315
mRNA Refseq	NM_001206796
Protein Refseq	NP_001193725
MIM	179050
Uniprot ID	P14618
Chromosome Location	15q22-qter
Pathway	Glucose metabolism, organism-specific biosystem; Glycolysis, organism-specific biosystem; Glycolysis (Embden-Meyerhof pathway), glucose => pyruvate, organism-specific biosystem; Glycolysis (Embden-Meyerhof pathway), glucose =>
Function	ATP binding; magnesium ion binding; nucleotide binding; potassium ion binding;

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