Recombinant Human PKM, MYC/DDK-tagged

Cat. No. PKM-68H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human pyruvate kinase, muscle (PKM2), transcript variant 1, fused with C-terminal MYC/DDK, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	57.8 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

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Gene Name	PKM pyruvate kinase, muscle [Homo sapiens (human)]
Official Symbol	PKM
Synonyms	PKM; pyruvate kinase, muscle; PK3; PKM; TCB; OIP3; CTHBP; THBP1; MGC3932; Pyruvate kinase isozymes M1/M2; EC 2.7.1.40; Pyruvate kinase muscle isozyme; Pyruvate kinase 2/3; Cytosolic thyroid hormone-binding protein; Cytosolic thyroid hormone-bin ding protein; OPA-interacting protein 3; PK, muscle type; pyruvate kinase, muscle; thyroid hormone-binding protein, cytosolic
Gene ID	5315
mRNA Refseq	NM_002654
Protein Refseq	NP_002645
MIM	179050
UniProt ID	P14618
Chromosome Location	15q22
Pathway	Adenine ribonucleotide biosynthesis, IMP => ADP,ATP; Biosynthesis of amino acids; Glycogen storage diseases
Function	ATP binding; MHC class II protein complex binding; magnesium ion binding

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