

Recombinant Human PKM protein, His & GST-tagged

Cat. No. PKM-2614H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human PKM aa. (Arg294~Phe470 (Accession # P14618)) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Arg294~Phe470
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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 51.2kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%

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Characteristic	The isoelectric point is 7.3.
Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4

GENE INFORMATION

Gene Name	PKM pyruvate kinase, muscle [Homo sapiens (human)]
Official Symbol	PKM
Synonyms	PKM; pyruvate kinase, muscle; PK3; TCB; OIP3; PKM2; CTHBP; THBP1; HEL-S-30; pyruvate kinase PKM; OIP-3; OPA-interacting protein 3; PK, muscle type; cytosolic thyroid hormone-binding protein; epididymis secretory protein Li 30; p58; pyruvate kinase 2/3; pyruvate kinase isozymes M1/M2; pyruvate kinase muscle isozyme; thyroid hormone-binding protein 1; thyroid hormone-binding protein, cytosolic; tumor M2-PK
Gene ID	5315

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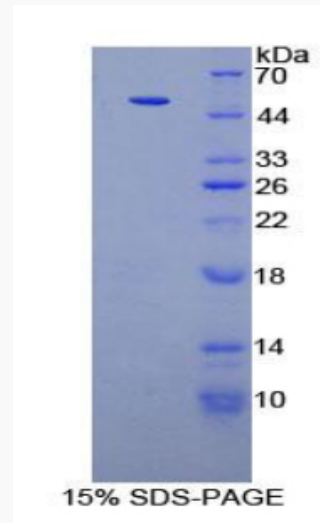
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mRNA Refseq [NM_001206796.2](#)

Protein Refseq [NP_001193725.1](#)

UniProt ID [P14618](#)

SDS-PAGE



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