

Recombinant Human PKM Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PKM-1597H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PKM2 MS Standard C13 and N15-labeled recombinant protein (NP_872271) with a C-terminal MYC/DDK tag, 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	57.9 kDa
AA Sequence	MSKPHSEAGTAFIQTQQLHAAMADTFLEHMCRLDIDSPITARNTGIICTIGPASRSV ETLKEMIKSGMNVARLNFSHGTHEYHAETIKNVRTATESFASDPILYRPVAVALDTKG PEIRTGLIKSGTAEVELKKGATLKITLDNAYMEKCDENILWLDYKNICKVVEVGSKIY VDDGLISLQVKQKGADFLVTEVENGGSLGSKKGVNLPGAAVDLPVSEKDIQDLKFG VEQDVDMVFASFIRKASDVHEVRKVLGEKGKNIKIISKIENHEGVRRFDEILEASDGIM

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VARGDLGIEIPAEKVFLAQKMMIGRCNRAGKPVICATQMLESMIKKPRPTRAEGSDV
 ANAVLDGADCIMLSGETAKGDYPLEAVRMQHIAAREAEAMFHRKLFEEVLRASSHS
 TDLMEAMAMGSVEASYKCLAAALIVLTESGRSAHQVARYRPRAPIIAVTRNPQTARQ
 AHLRYGIFPVLCKDPVQEAWAEDVDLRVNFAMNVGKARGFFKKGDVVIVLTGWRPG
 SGFTNTMRVVPVPTTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name PKM pyruvate kinase M1/2 [Homo sapiens (human)]

Official Symbol PKM

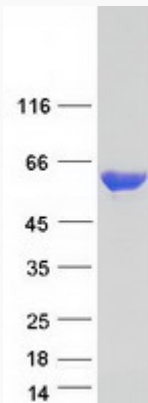
Synonyms PKM; pyruvate kinase M1/2; PK3; TCB; p58; OIP3; PKM2; CTHBP; THBP1; HEL-S-30; pyruvate kinase PKM; OPA-interacting protein 3; PK, muscle type; cytosolic thyroid hormone-binding protein; epididymis secretory protein Li 30; pyruvate kinase 2/3; pyruvate kinase isozymes M1/M2; pyruvate kinase muscle isozyme; pyruvate kinase, muscle; thyroid hormone-binding protein 1; thyroid hormone-binding protein, cytosolic; tumor M2-PK; EC 2.7.1.40

Gene ID 5315

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mRNA Refseq	NM_182471
Protein Refseq	NP_872271
MIM	179050
UniProt ID	P14618
SDS-PAGE	

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