

Pyruvate kinase isozymes M1/M2 (PKM2) Recombinant Protein | PKM2 recombinant protein

Recombinant Human Pyruvate kinase isozymes M1/M2 (PKM2)

CATALOG #
AAA113548

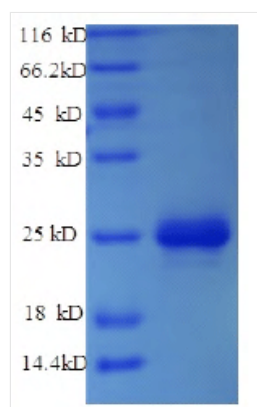
PRODUCT SYNONYMS

Pyruvate kinase isozymes M1/M2 (PKM2); Recombinant Human Pyruvate kinase isozymes M1/M2 (PKM2); Pyruvate kinase isozymes M1/M2; EC=2.7.1.40; Cytosolic thyroid hormone-binding protein; CTHBP; Opa-interacting protein 3; OIP-3; Pyruvate kinase 2/3; Pyruvate kinase muscle isozyme; Thyroid hormone-binding protein 1; THBP1; Tumor M2-PK; p58; PKM2 recombinant protein

PRODUCT SPECIFICATIONS

Purity/Purification	>=90%
Form/Format	Liquid containing glycerol
Sequence Positions	2-531
Sequence	SKPHSEAGTA FIQTQQLHAA MADTFLEHMC RLDIDSPFIT ARNTGIICTI GPASRSVETL KEMIKSGMNV ARLNFSHGTH EYHAETIKNV RTATESFASD PILYRPVAVA LDTKGPEIRT GLIKGSGTAE VELKKGATLK ITLDNAYMEK CDENILWLDY KNICKVVEVG SKIYVDDGLI SLQVKQKGAD FLVTEVENG SLGSKKGVNL PGAADVPAV SEKDIQDLKF GVEQDVMVF ASFIRKASDV HEVRKVLGEK GKNIKIISKI ENHEGVRRFD EILEASDGIM VARGDLGIEI PAEKVFLAQK MMIGRCNRAG KPVICATQML ESMIKKPRPT RAEGSDVANA VLDGADCIML SGETAKGDYP LEAVRMQHLL AREAAAIYH LQLFEELRRL APITSDPTEA TAVGAVEASF KCCSGAIIVL TKSGRSAHQV ARYRPRAPII AVTRNPQTAR QAHLYRGIFP VLCKDPVQEA WAEDVDLRVN FAMNVGKARG FFKKGDVVIV LTGWRPGSGF TNTMRVVPVP
Sequence Length	530
Species	Homo sapiens (Human)
Product Note	Applications are user defined. Product is developed and quality control tested in house, data or additional information may be provided upon request. The researcher needs to establish and confirm the suitability of the product for their application.
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for PKM2 recombinant protein	Glycolytic enzyme that catalyzes the transfer of a phosphoryl group from phosphoenolpyruvate (PEP) to ADP, generating ATP. Stimulates POU5F1-mediated transcriptional activation. Plays a general role in caspase independent cell death of tumor cells. The ratio between the highly active tetrameric form and nearly inactive dimeric form determines whether glucose carbons are channeled to biosynthetic processes or used for glycolytic ATP production. The transition between the 2 forms contributes to the control of glycolysis and is important for tumor cell proliferation and survival.
Product Categories/Family for PKM2 recombinant protein	Raw Materials Assay Development

NCBI AND UNIPROT INFORMATION

NCBI GI #	332164775
NCBI GeneID	5315
NCBI Accession #	NP_001193725.1
NCBI GenBank Nucleotide #	NM_001206796.1
UniProt Accession #	P14618; P14786; Q53GK4; Q96E76; Q9BWB5; Q9UCV6; Q9UPF2; A6NFK3; B2R5N8; B3KRY0; B4DFX8; B4DUU6
Molecular Weight	56,273 Da
NCBI Official Full Name	pyruvate kinase PKM isoform c
NCBI Official Synonym Full Names	pyruvate kinase, muscle
NCBI Official Symbol	PKM
NCBI Official Synonym Symbols	PK3; TCB; OIP3; PKM2; CTHBP; THBP1; HEL-S-30
NCBI Protein Information	pyruvate kinase PKM; p58; OIP-3; tumor M2-PK; PK, muscle type; pyruvate kinase 2/3; OPA-interacting protein 3; pyruvate kinase isozymes M1/M2; pyruvate kinase muscle isozyme; thyroid hormone-binding protein 1; epididymis secretory protein Li 30; cytosolic thyroid hormone-binding protein; thyroid hormone-binding protein, cytosolic
UniProt Protein Name	Pyruvate kinase PKM
UniProt Gene Name	PKM
UniProt Synonym Gene Names	OIP3; PK2; PK3; PKM2; CTHBP; OIP-3; THBP1
UniProt Entry Name	KPYM_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/pkm-recombinant-protein/113548>