

# Human PKM2 Recombinant Protein



RPPB2621

## Product Information Protein Information

**Product SKU:**

RPPB2621

**Accession:**

P14618

**Host:**

Escherichia Coli.

**Protein description:**

PKM2 Human Recombinant fused with a 20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 551 amino acids (1-531 a.a.) and having a molecular mass of 60.1kDa. The PKM2 is purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered clear solution.

**Synonyms:**

Pyruvate kinase isozymes M1/M2, EC 2.7.1.40, Pyruvate kinase muscle isozyme, Pyruvate kinase 2/3, Cytosolic thyroid hormone-binding protein, CTHBP, THBP1, M2PK, PKM2, PK3, PK2, PKM, TCB, OIP3, MGC3932, Tumor Type M2 Pyruvate Kinase.

**Formulation:**

The PKM2 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH8.0) and 10% glycerol.

**Purity:**

Greater than 95.0% as determined by SDS-PAGE.

**Stability:**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Amino Acid Sequence:**

MGSSHHHHHH SGLVPRGSH MSKPHSEAGT AFIQTQLLHA AMADTFLEHM CRLDIDSPPI TARNTGIICT  
IGPASRSVET LKEMIKSGMN VARLNFSHGT HEYHAETIKN VRTATESFAS DPILYRPVAV ALDTKGPEIR  
TGLIKSGTA EVELKKGATL KITLDNAYME KCDENILWLD YKNICKVVEV GSKIYVDDGL ISLQVKQKGA  
DFLVTEVENG GSLGSKKGVN LPGAAVDLPA VSEKDIQDLK FGVEQDVMV FASFIRKASD VHEVRKVLGE  
KGKNIKISK IENHEGVRRF DEILEASDGI MVARGDLGIE IPAQVFLAQ KMMIGRCNRA GKPVICATQM  
LESMIKKPRP TRAEAGSDVAN AVLDGADCIM LSGETAKGDY PLEAVRMQHL IAREAEAAIY HLQLFEELRR  
LAPITSDPTE ATAVGAVEAS FKCCSGAIV LTKSGRSAHQ VARYRPRAPI IAVTRNPQTA RQAHLRYGIF  
PVLCKDPVQE AWAEDVDLRV NFAMNVGKAR GFFKKGDVVI VLTGWRPGSG FTNTMRVVPV P.

**Biological Activity:**

The Specific activity is > 25,000 pmol/min/ug. 1 unit will form 1pmol of phospho(enol)pyruvate to pyruvate per minute at pH 7.5 at 37°C.