

Tumour Type M2 Pyruvate Kinase Mouse Recombinant

Item Number	rAP-1710
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.
Description	PKM2 Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 554 amino acids (1-531 a.a) and having a molecular mass of 60.2kDa. PKM2 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	P52480
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMPKPHSE AGTAFIQTTQ LHAAMADTFL EHMCRDLIDS API-TARNTGI ICTIGPASRS VEMLKEMIKS GMNVARLNFS HGTHEYHAET IKNVREATES FASDPILYRP VAV-ALDTKGP EIRTGLIKGS GTAEVELKKG ATLKITLDNA YMEKCDENIL WLDYKNICKV VEVGSKIYVD DGLISLQVKE KGADFLVTEV ENGGSLSGSKK GVNLPGAADV LPAVSEKDIQ DLKFGVEQDV DMVFASFIRK AADVHEVRKV LGEKGKNIKI ISKIENHEGV RRFDEILEAS DGIMVARGDL GIEIPAEEKVF LAQKMMIGRC NRAGKPVICA TQMLESMIKK PRPTRAEAGSD VANAVLDGAD CIMLSGETAK GDY-PLEAVRM QHLIAREAEA AIYHLQLFEE LRRLAPITSD PTEAAVGVAV EASFKCCSGA IIVLTSGRS AHQVARYRPR APIIAVTRNP QTARQAHLYR GIFPVLCKDA VLNAWAEDVD LRVNLMADV
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered clear solution. 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). Please avoid freeze thaw cycles.
Formulation and Purity	PKM2 protein solution (0.5mg/ml) containing 20mM Tris-HCl (pH 8.5), 0.2M NaCl, 1mM DTT and 30% glycerol. Greater than 85% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	Specific activity: > 500 units/mg. One unit will convert 1 pmole of phospho(enol)pyruvate to pyruvate per minute at pH 7.5 at 37°C.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**