

Mouse PKM2 Recombinant Protein



RPPB2622

Product Information Protein Information

Product SKU:

RPPB2622

Accession:

P52480

Host:

Escherichia Coli.

Protein 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.

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:

PKM2 protein solution (0.5mg/ml) containing 20mM Tris-HCl (pH 8.5), 0.2M NaCl, 1mM DTT and 30% glycerol.

Purity:

Greater than 85% 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). Please avoid freeze thaw cycles.

Amino Acid Sequence:

MGSSHHHHHH SGLVPRGSH MGSMPKPHSE AGTAFIQTQQ LHAAMADTFL EHMCRLDIDS APITARNTGI
ICTIGPASRS VEMLKEMIKS GMNVARLNFS HGTHEYHAET IKNVREATES FASDPILYRP VAVALDTKGP
EIRTGLIKGS GTALEVELKKG ATLKITLDNA YMEKCDENIL WLDYKNICKV VEVGSKIYVD DGLISLQVKE
KGADFLVTEV ENGGSLGSKK GVNLPGAARD LPAVSEKDIQ DLKFGVEQDV DMVFASFIRK AADVHEVRKV
LGEKGKNIKI ISKIENHEGV RRFDEILEAS DGIMVARGDL GIEIPAEEKVF LAQKMMIGRC NRAGKPVICA
TQMLESMIKK PRPTRAEGSD VANAVLDGAD CIMLSGETAK GDYPLEAVRM QHLIAREAEA AIYHLQLFEE
LRR LAPITSD PTEAAAVGAV EASFKCCSGA IIVLTKSGRS AHQVARYRPR APIIAVTRNP QTARQAHLR
GIFVPLCKDA VLNAWAEDVD LRVNLAMDVG KARGFFKKGD VVIVLTGWRP GSGFTNTMRV VPVP.

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.