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Datasheet for ABIN6388051
PKM Protein (AA 1-531) (His tag)

1 Image

Overview

Quantity:	100 µg
Target:	PKM
Protein Characteristics:	AA 1-531
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This PKM protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	<p>MGSSHHHHHH SSGLVPRGSH MGSMPKPHSE AGTAFIQTQQ LHAAMADTFL EHMCRLDIDS APITARNTGI ICTIGPASRS VEMLKEMIKS GMNVARLNFS HGTHEYHAET IKNVREATES FASDPILYRP VAVALDTKGP EIRTGLIKGS GTALEVELKKG ATLKITLDNA YMEKCDENIL WLDYKNICKV VEVGSKIYVD DGLISLQVKE KGADFLVTEV ENGGSLGSKK GVNLPGAADV LPAVSEKDIQ DLKFGVEQDV DMVFASFIRK AADVHEVRKV LGEKGKNIKI ISKIENHEGV RRFDEILEAS DGIMVARGDL GIEIPAЕКVF LAQKMMIGRC NRAGKPVICA TQMLESMIKK PRPTRAEGSD VANAVLDGAD CIMLSGETAK GDYPLEAVRM QHLIAREAEA AIYHLQLFEE LRR LAPITSD PTEAAVAVGAV EASFKCCSGA IIVLTKSGRS AHQVARYRPR APIIAVTRNP QTARQAHLYR GIFPVLCKDA VLNAWAEDVD LRVNLAMDVG KARGFFKKGD VVIVLTGWRP GSGFTNTMRV VPVP</p>
Purity:	> 85 % by SDS - PAGE

Product Details

Biological Activity Comment: Specific activity: > 50,000 pmol/min/ug. One unit will convert 1.0 pmole of phospho(enol)pyruvate to pyruvate per minute at pH 7.5 at 37C

Target Details

Target: PKM

Alternative Name: Pkm ([PKM Products](#))

Background: Pkm, also known as pyruvate kinase PKM isoform M2, is an isoenzyme of the glycolytic enzyme pyruvate kinase. This protein catalyzes the production of pyruvate and ATP from phosphoenolpyruvate. Pkm interacting with Opa proteins, a bacterial outer membrane protein involved in gonococcal adherence to and invasion of human cells, is required for bacterial pathogenesis. It is specifically expressed at high levels in tumor cells, and can be measured in plasma of patients with advanced breast cancer. Recombinant mouse Pkm, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Molecular Weight: 60.2 kDa (554aa) Confirmed by MALDI-TOF

NCBI Accession: [NP_035229](#)

UniProt: [P52480](#)

Pathways: [Warburg Effect](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Comment: Bioactivity Validated

Restrictions: For Research Use only

Handling

Format: Liquid

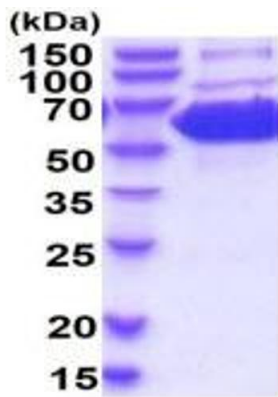
Concentration: 0.5 mg/mL

Buffer: Liquid. In 20 mM Tris-HCl(pH 8.5) containing 0.2M NaCl, 1 mM DTT, 30 % glycerol

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or

-70C. Avoid repeated freezing and thawing cycles.



15% SDS-PAGE (3ug)

SDS-PAGE

Image 1.