

Bioactive

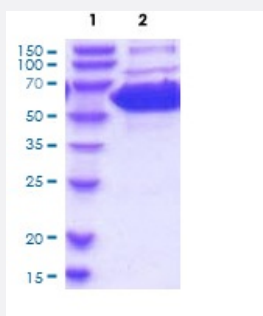
Full-Length

Pkm (Mouse) Recombinant Protein

Catalog # P8021

Size 100 ug

Applications



Specification

Product Description

Mouse Pkm (P52480, 1 a.a. - 531 a.a.) full length recombinant protein with His tag expressed in *Escherichia coli*.

Sequence

MPKPHSEAGTAFIQ TQQLHAAMADTFLEHMCRLDIDSAPITARNTGICTIGPASRSVEMLKEMIKSG
MNVARLNFSGHGTHEYHAETIKNVREATESFASDPILYRPVAVALDTKGPEIRTGLIKSGTAEVELK
KGATLKITLDNAYMEKCDENILWLDYKNICKVVEVGSKIYVDDGLISLQVKEKGADFLVTEVENGG
LGSKKGVNLPGAAVDLPVSEKDIQDLKFGVEQDVDMVFASFIRKAADVHEVRKVLGEKGKNIKII
SKIENHEGVRRFDEILEASDGIMVARGDLGIEIPA EKVF LAQKMMIGRCNRAGKPVICATQMLES
MIKKPRPTRAEGSDVANAVLDGADCIMLSGETAKGDYPLEAVRMQHLIAREAEAAIYHLQLFEELRRL
APITSDPTEAAAVGAVEASFKCCSGAIVLTKSGRSAHQVARYRPRAPIAVTRNPQTARQAHLYRGI
FPVLCKDAVLNAWAEDVDLRVNLAMDVGKARGFFKKGDVVVL TGWRPGSGFTNTMRVVPVP

Host

Escherichia coli

Theoretical MW (kDa)

60.2

Form

Liquid

Preparation Method

Escherichia coli expression system

Purity

> 85% by SDS-PAGE

Activity

Specific activity is > 50000 pmol/min/ug, in which one unit will convert 1.0 pmole of phospho(enol)pyruvate to pyruvate per minute at pH 7.5 at 37°C.

Quality Control Testing	3 ug by SDS-PAGE under reducing condition and visualized by Coomassie blue stain.
Storage Buffer	In 20mM Tris-HCl pH 8.0 (30% glycerol, 0.2 M NaCl, 1 mM DTT)
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study
- SDS-PAGE

Gene Info — Pkm2

Entrez GeneID	18746
Protein Accession#	P52480
Gene Name	Pkm2
Gene Alias	AA414905, AL024370, AL024424, Pk-2, Pk-3, Pk3
Gene Description	pyruvate kinase, muscle
Gene Ontology	Hyperlink
Gene Summary	O
Other Designations	pyruvate kinase 3