NKMAXBIO We support you, we believe in your research

Recombinant human PGK2 protein

Catalog Number: ATGP1349

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-417aa

UniProt No.

P07205

NCBI Accession No.

NP 620061

Alternative Names

Phosphoglycerate kinase 2, dJ417L20.2, PGKB, PGKPSS

PRODUCT SPECIFICATION

Molecular Weight

46.9 kDa (437aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 1mM DTT, 0.1M NaCl

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

PGK2 is a testis-specific form of phosphoglycerate kinase. Initially assumed to be a pseudogene, this protein is actually a functional phosphoglycerate kinase that catalyzes the reversible conversion of 1, 3-bisphosphoglycerate to 3-phosphoglycerate, during the Embden-Meyerhof-Parnas pathway of glycolysis, in the later stages of spermatogenesis. Recombinant human PGK2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.



NKMAXBio We support you, we believe in your research

Recombinant human PGK2 protein

Catalog Number: ATGP1349

Amino acid Sequence

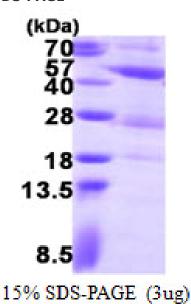
MGSSHHHHHH SSGLVPRGSH MSLSKKLTLD KLDVRGKRVI MRVDFNVPMK KNQITNNQRI KASIPSIKYC LDNGAKAVVL MSHLGRPDGV PMPDKYSLAP VAVELKSLLG KDVLFLKDCV GAEVEKACAN PAPGSVILLE NLRFHVEEEG KGQDPSGKKI KAEPDKIEAF RASLSKLGDV YVNDAFGTAH RAHSSMVGVN LPHKASGFLM KKELDYFAKA LENPVRPFLA ILGGAKVADK IQLIKNMLDK VNEMIIGGGM AYTFLKVLNN MEIGASLFDE EGAKIVKDIM AKAQKNGVRI TFPVDFVTGD KFDENAQVGK ATVASGISPG WMGLDCGPES NKNHAQVVAQ ARLIVWNGPL GVFEWDAFAK GTKALMDEIV KATSKGCITV IGGGDTATCC AKWNTEDKVS HVSTGGGASL ELLEGKILPG VEALSNM

General References

Svaasand EK. et al. (2007) Muscle Nerve. 36:679-84. Valentin C. et al. (1998) Hum Mutat. 12(4):280-7.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

