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PGK2, human recombinant protein
Phosphoglycerate kinase 2, dJ417L20.2, PGKB, PGKPSS
Catalog # PBV11379r

Specification

PGK2, human recombinant protein - Product info

Primary Accession	P07205
Concentration	0.5
Calculated MW	46.9 kDa (437 aa, 1-417 aa + His Tag) KDa

PGK2, human recombinant protein - Additional Info

Gene ID	5232
Gene Symbol	PGK2

Other Names
Phosphoglycerate kinase 2, dJ417L20.2, PGKB, PGKPSS

Gene Source	Human
Source	E.coli
Assay&Purity	SDS-PAGE; ≥85%
Assay2&Purity2	N/A;
Recombinant	Yes
Results	Specific activity is >11 units/mg
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

Target/Specificity
PGK2

Format
Liquid

Storage
-20°C; 0.5 mg/ml solution in 20 mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1 M NaCl and 1 mM DTT

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PGK2, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

PGK2, human recombinant protein - Images

PGK2, human recombinant protein - Background

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.

PGK2, human recombinant protein - References

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Mungall A.J.,et al.Nature 425:805-811(2003).
Mayya V.,et al.Sci. Signal. 2:RA46-RA46(2009).
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