

Datasheet for ABIN5854214
PGK1 Protein (AA 1-4170) (His tag)



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1 Image

Overview

Quantity:	100 µg
Target:	PGK1
Protein Characteristics:	AA 1-4170
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This PGK1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	<p>MGSSHHHHHH SSGLVPRGSH MGSHM SLSNK LTLDKLDVKG KRVMRVDNFN VPMKNNQITN NQRKAAVPS IKFCLDNGAK SVVLM SHLGR PDGVPMPDKY SLEPVAELK SLLGKDVLF L KDCVGP EVEN ACANPAAGTV ILLENLRFHV EEEGKGK DAS GNKVKAEPAK IDAFRASLSK LGDVYVND AF GTAHRAHSSM VGVNLPQKAG GFLMKKELNY FAKALES PER PFLAILGGAK VADKIQLINN MLDKVNEMII GGGMAFTFLK VLNNMEIGTS LYDEEGAKIV KDLMSKA EKN GVKITLPVDF VTADKFDENA KTGQATVASG IPAGWMGLDC GTESSK KYAE AVGRAKQIVW NGPVG VFEWE AFARGTKSLM DEVVKATSRG CITIIGGGDT ATCCA KW NTE DKVSHVSTGG GASLELLEGK VLPGVDALSN V</p>
Purity:	> 90 % by SDS - PAGE
Biological Activity Comment:	Specific activity: > 500 units/mg. One unit will convert 1 umole of 1,3-Bisphosphoglycerate to 3-

Product Details

PGA per minute at pH 8.0 at 37C.

Target Details

Target: PGK1

Alternative Name: Pgk1 ([PGK1 Products](#))

Background: Pgk1 also known as Phosphoglycerate kinase 1 is an X-linked enzyme that plays a key role in the glycolytic pathway. Pgk1 acts as a polymerase alpha cofactor protein (primer recognition protein) as a glycolytic enzyme role. This protein catalyzes the reversible conversion of 1,3-diphosphoglycerate to 3-phosphoglycerate during glycolysis, generating one molecule of ATP. Recombinant mouse Pgk1, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Molecular Weight: 47.1kDa (441aa) confirmed by MALDI-TOF

NCBI Accession: [NP_032854](#)

UniProt: [P09411](#)

Pathways: [Cellular Glucan Metabolic Process](#)

Application Details

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

Comment: Bioactivity Validated

Restrictions: For Research Use only

Handling

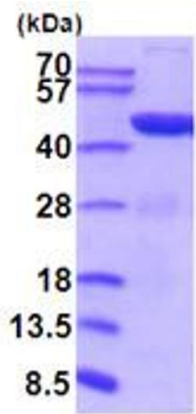
Format: Liquid

Concentration: 1 mg/mL

Buffer: Liquid, In Phosphate buffered saline (pH 7.4) containing 10 % glycerol, 1 mM DTT

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.