

AR51892PU-S

Mouse Phosphoglycerate kinase 1 (PGK1) (1-4170, His-tag) - Purified

Alternate names:	Cell migration-inducing gene 10 protein, PGKA, PRP 2, Primer recognition protein 2
Quantity:	0.1 mg
Concentration:	1.0 mg/ml (determined by bradford assay)
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.
Uniprot ID:	P09411
NCBI:	NP_032854
GeneID:	18655
Species:	Mouse
Source:	E. coli
Format:	State: Liquid purified protein Purity: >90% by SDS - PAGE Buffer System: Liquid, In Phosphate buffered saline (pH7.4) containing 10% glycerol, 1mM DTT.
Description:	Recombinant mouse Pgk1, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. AA Sequence: MGSSHHHHH SSGLVPRGSH MGSMSLSNK LTLDKLDVKG KRVVMRVDN VPMKNNQITN NQRKAAPVPS IKFCLDNGAK SVVLSHLGR PDGVMPDPKY SLEPVAELK SLLGKDVLF KDCVGPEVEN ACANPAAGTV ILLENLRFHV EEEGKGKDGAS GNKVKAEPAK IDAFRASLSK LGDVYVNDFA GTAHRAHSSM VGVNLPQKAG GFLMKKELNY FAKALESPEP PFLAILGGAK VADKIQLINN MLDKVNEMII GGGMAFTFLK VLNNMEIGTS LYDEEGAKIV KDLMSKAENK GVKITLPVDF VTADKFDENA KTGQATVASG IPAGWMGLDC GTESSKKYAE AVGRAKQIVW NGPVGVFEWE AFARGTKSLM DEVVKATSRG CITIIGGGDT ATCCAKWNTE DKVSHVSTGG GASLELLEGG VLPGVDAISN V Molecular weight: 47.1 kDa (441aa) confirmed by MALDI-TOF
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Chauvin T., et al. (2012) Biol. Reprod. 87 (6), 141

Pictures:

