

Product datasheet for **AR51892PU-S**

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

Product data:

Product Type:	Recombinant Proteins
Description:	Phosphoglycerate kinase 1 (PGK1) (1-4170, His-tag) mouse recombinant protein, 0.1 mg
Species:	Mouse
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSHM SLSNK LTLDKLDVKG KRVMRVDFN VPMKNNQITN NQRKA AVPS IKFCLDNGAK SVVLM SHLGR PDGVPMPDKY SLEPVAAELK SLLGKDVFLF KDCVGPEVEN ACANPAAGTV ILLENLRFHV EEEGKGK DAS GNKVKAEPK IDAFRASLSK LGDVYVND AF GTAHRAHSSM VGVNLPQKAG GFLMKKELNY FAKALES PER PFLAILGGAK VADKIQLINN MLDKVNEMII GGGMAFTFLK VLNNMEIGTS LYDEEGAKIV KDLMSKA EKN GVKITLPVDF VTADKFDENA KTGQATVASG IPAGWMGLDC GTESSKKYAE AVGRAKQIWW NGPVG VFEWE AFARGTKSLM DEVVKATSRG CITIIGGGDT ATCCA KW NTE DKVSHVSTGG GASLELLE GK VLP GVDALSN V
Tag:	His-tag
Predicted MW:	47.1 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: Liquid, In Phosphate buffered saline (pH 7.4) containing 10% glycerol, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant mouse Pkg1, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
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.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_032854</u>
Locus ID:	18655



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UniProt ID: [P09411](#)

Cytogenetics: X 47.36 cM

Synonyms: Pgk-; Pgk-1

Summary: The protein encoded by this gene is a glycolytic enzyme that catalyzes the conversion of 1,3-diphosphoglycerate to 3-phosphoglycerate. Additionally, this protein is secreted by tumor cells where it participates in angiogenesis by functioning to reduce disulfide bonds in the serine protease, plasmin, which consequently leads to the release of the tumor blood vessel inhibitor angiostatin. The encoded protein has been identified as a moonlighting protein based on its ability to perform mechanistically distinct functions. Many pseudogenes of this gene are found throughout the mouse genome. [provided by RefSeq, Jan 2014]

Product images:

