

Product datasheet for AR51892PU-S

OriGene Technologies, Inc.

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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 MGSHMSLSNK LTLDKLDVKG KRVVMRVDFN VPMKNNQITN NQRIKAAVPS IKFCLDNGAK SVVLMSHLGR PDGVPMPDKY SLEPVAAELK SLLGKDVLFL

KDCVGPEVEN ACANPAAGTV ILLENLRFHV EEEGKGKDAS GNKVKAEPAK IDAFRASLSK LGDVYVNDAF GTAHRAHSSM VGVNLPQKAG GFLMKKELNY FAKALESPER PFLAILGGAK VADKIQLINN MLDKVNEMII GGGMAFTFLK VLNNMEIGTS LYDEEGAKIV KDLMSKAEKN GVKITLPVDF VTADKFDENA KTGQATVASG IPAGWMGLDC GTESSKKYAE AVGRAKQIVW NGPVGVFEWE AFARGTKSLM DEVVKATSRG CITIIGGGDT ATCCAKWNTE DKVSHVSTGG

GASLELLEGK VLPGVDALSN 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 Pgk1, 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: NP 032854

Locus ID: 18655





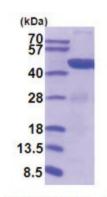
UniProt ID:P09411Cytogenetics:X 47.36 cMSynonyms:Pgk-; Pgk-1

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:



15% SDS-PAGE (3ug)