

# Mouse PGK1 Recombinant Protein



RPPB2603

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## Product Information    Protein Information

**Product SKU:**

RPPB2603

**Accession:**

P09411

**Host:**

Escherichia Coli.

**Protein description:**

PGK1 Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 441 amino acids (1-417 a.a) and having a molecular mass of 47.1kDa.PGK1 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered clear solution.

**Synonyms:**

Phosphoglycerate kinase 1 (EC:2.7.2.3), Pgk1, Pkg-1.

**Formulation:**

PGK1 protein solution (1mg/ml) containing Phosphate buffered saline (pH7.4), 10% glycerol and 1mM DTT.

**Purity:**

Greater than 90% as determined by SDS-PAGE.

**Stability:**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please avoid freeze thaw cycles.

**Amino Acid Sequence:**

MGSSHHHHHH SGLVPRGSH MGSMSLSNK LTLDKLDVKG KRVVMRVDFN VPMKNNQITN NQRIKAAVPS  
IKFCLDNGAK SVVLMShLGR PDGVPMPDKY SLEPVAALSK SLLGKDVFL 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.

**Biological Activity:**

Specific activity: > 500 units/mg. One unit will convert 1 umole of 1,3-Bisphosphoglycerate to 3-PGA per minute at pH 8.0 at 37°C.