

**PGK1, 1-417 aa, Human, His-tagged, Recombinant, E.coli**

**Cat.NO.: TP03378**

3th Edition

**Synonyms:** Phosphoglycerate kinase 1, MGC117307, MGC142128, MGC8947, MIG10, PGKA.

**Description:** Phosphoglycerate kinase 1 (PGK1) is an X-linked enzyme that plays a key role in the glycolytic pathway. The gene encoding the erythrocyte enzyme PGK1 and it seems that PGK-1 acts as a polymerase alpha cofactor protein (primer recognition protein) as a glycolytic enzyme role. The PGK1 catalyzes the reversible conversion of 1,3-diphosphoglycerate to 3-phosphoglycerate during glycolysis, generating one molecule of ATP.

**Form:** Liquid. In 20 mM Tris (pH 8.0), containing 10% Glycerol, 1mM DTT.

**Molecular Weight:** 46.8 kDa (437aa)

**Sequences:**

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MGSSHHHHHSSGLVPRGSHMSLSNKLTLDKLDVKGKRVVMRVDNFNPMKNNQITNNQRIKAAVPSIKFCLDNGA
KSVVLMShLGRPDGVPMPDKYSLEPVAVELKSLGKDVLFKDCVGPVEVEKACANPAAGSVILLENLRFHVEEEGK
GKDASGNKVKAEPAKIEAFRASLSKLGDVYVNDVAFGTAHRAHSSMVGVNLPQKAGGFLMKKELNYFAKALESPEP
PFLAILGGAKVADKIQLINMLDKVNEMIIIGGGMAFTFLKVLNNMEIGTSLFDEEGAKIVKDLMSKAEKNGVKITLPVD
FVTADKFDENAKTGQATVASGIPAGWMGLDCGPESKSKYAEAVTRAKQIVWNGPVGVFWEAFARGTKALMDEV
VKATSRGCITIIGGGDTATCCAkwntEDKvshVSTGGGASLELLEGGKVLPGVDALSNl
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**Purity:** > 95% by HPLC

**Concentration:** 1 mg/ml (determined by Bradford assay)

**Endotoxin Level:** <1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.