

本公司提供的电子版说明书仅供参考，实验请以收到的纸质手册为准。

PGK1, 1-417aa, Human, His tag, E.coli (Bioactivity Validated)

产品货号: TP03379

第三版

别名: Phosphoglycerate kinase 1, MGC117307, MGC142128, MGC8947, MIG10, PGKA.

描述: 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. Recombinant PGK1 protein was expressed in E.coli and purified by using conventional chromatography techniques.

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

分子量: 46.8 kDa (437aa), confirmed by MALDI-TOF

序列:

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MGSSHHHHHSSGLVPRGSHMSLSNKLTDKLDVKGKRVVMRVDNFNPMKNNQITNNQRIKAAVPSIKFCLDNGAKS  
VVLMSHLGRPDPGVMPDKYSLEPVAVELKSLGKDVLFKDCVGPVEKACANPAAGSVILLENLRFHVEEEGKKGKDasG  
NKVKAEPKIEAFRASLSKLGDVYVNDAFGTAHRAHSSMVGVNLPQKAGGFLMKKELNYFAKALESPERPFLAILGGAKV  
ADKIQLINMLDKVNEMIIGGGMAFTFLKVLNNMEIGTSLFDEEGAKIVKDLMSKAEKNGVKITLPVDFVTADKFDENAK  
TGQATVASGIPAGWMGLDCGPESKKYAEAVTRAKQIVWNGPVGVFWEAFARGTKALMDEVVKATSRGCITIIGGGD  
TATCCAkwntedKvshvstGGGASLELLEgkvLPGVDALSNI
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纯度: > 95% by HPLC

浓度: 1 mg/ml (determined by Bradford assay)

内毒素: <1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.