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Pgk1,1-4170aa, Mouse, His tag, E.coli

产品货号: TP03380

第三版

别名: Phosphoglycerate kinase 1, Pgk-1

描述: Pgk1 also known as Phosphoglycerate kinase 1 is an X-linked enzyme that plays a key role in the glycolytic pathway. Pgk1 acts as a polymerase alpha cofactor protein (primer recognition protein) as a glycolytic enzyme role. This protein catalyzes the reversible conversion of 1,3-diphosphoglycerate to 3-phosphoglycerate during glycolysis, generating one molecule of ATP. Recombinant mouse Pgk1, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

配方: Liquid, In Phosphate buffered saline (pH7.4) containing 10% glycerol, 1mM DTT

分子量: 47.1kDa (441aa) confirmed by MALDI-TOF

序列:

MGSSHHHHHSSGLVPRGSHMGSHMSLSNKLTDKLDVKGKRVVMRVDNFNPMKNNQITNNQRIKAAVPSIKFCLDN
GAKSVVLMShLGRPDGVPMPDKYSLEPVAELKSLGKDVFLKDCVGPVENACANPAAGTVILLENLRFHVEEEGKGGK
DASGNKVKAEPKIDAFRASLSKLGDVYVNDVAFGTAHRAHSSMVGVNLPQKAGGFLMKKELNYFAKALESPPERFLAILG
GAKVADKIQLINMLDKVNEMIIGGGMAFTFLKVLNNMEIGTSLYDEEGAKIVKDLMSKAENGVKITLPVDFVTADKF
DENAKTGQATVASGIPAGWMGLDCGTESSKKYAEAVGRAKQIVWNGPVGVFWEAFARGTKSLMDEVVKATSRGCITI
IGGGDTATCCAkwntEDKvshVSTGGGASLELLEGKVLPGVDALSNV

纯度: > 95% by HPLC

浓度: 1mg/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.