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PGAM1, 1-254aa, Human, His-tag, E.coli (Bioactivity Validated)

产品货号: TP03369

第三版

别名: Phosphoglycerate mutase 1, Phosphoglycerate mutase isozyme B, PGAM-B, PGAMA.

描述: PGAM1 belongs to the phosphoglycerate mutase family. This protein is important components of glucose and 2,3-BPGA (2,3-bisphosphoglycerate) metabolism and catalyzes the reversible reaction of 3-phosphoglycerate (3-PGA) to 2-phosphoglycerate (2-PGA) in the glycolytic pathway. The PGAM is a dimeric enzyme containing, in different tissues, different proportions of a slow-migrating muscle (MM) isozyme, a fast-migrating brain (BB) isozyme, and a hybrid form (MB). Mutations in this protein cause muscle phosphoglycerate mutase efficiency, also known as glycogen storage disease X. Recombinant human PGAM protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

配方: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1mM DTT

分子量: 30.9 kDa (274aa), confirmed by MALDI-TOF

序列:

MGSSHHHHHSSGLVPRGSHMAAYKLVLRHGESAWNLENRFSGWYDADLSPAGHEEAKRGGQALRDAGYEFDICFTS
VQKRAIRTLWTVLDAIDQMWLPVVRTWRLNERHYGGLTGLNKAETA AKHGEAQVKIWRRSYDVPPPMEPDHPFYSNI
SKDRRYADLTEDQLPSCESLKDTIARALPFWN EIVPQIKEGKRVLIAAHGNSLRGIVKHLEGLSEEAIMELNLPTGIPIVYEL
DKNLKPIKPMQFLGDEETVRKAMEAVAAQGKAKK

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.