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AR09629PU-L Human PGAM1 (1-254, His-tag) - Purified

Alternate names: BPG-dependent PGAM 1, PGAM 1, PGAM-B, PGAMA, Phosphoglycerate mutase 1, Phosphoglycerate mutase isozyme B

Quantity: 0.5 mg

Concentration: 1.0 mg/ml (determined by Bradford assay)

Background: 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 eficiency, also known as glycogen storage disease X.

Uniprot ID: P18669

NCBI: NP_002620

GeneID: 5223

Species: Human

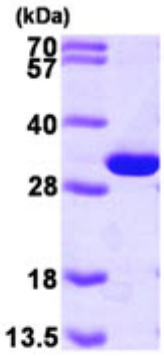
Source: E. coli

Format:
State: Liquid purified protein
Purity: >90% by SDS – PAGE
Buffer System: 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1mM DTT

Description: Recombinant human PGAM protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
AA Sequence:
MGSSHHHHHH SSGLVPRGSH MAAYKLVLIR HGESAWNLEN RFSGWYDADL SPAGHEEAKR GGQALRDAGY EFDICFTSVQ KRAIRTLWTV LDAIDQMWLP VVRTWRLNER HYGGLTGLNK AETAAKHGEA QVKIWRRSYD VPPPPMEPDH PFYSNISKDR RYADLTEDQL PSCESLKDTI ARALPFWNEE IVPQIKEGKR VLIAAHGNSL RGIVKHLEGL SEEAIMELNL PTGIPIVYEL DKNLKPIKPM QFLGDEETVR KAMEAVAAQG KAKK
Molecular weight: 30.9 kDa (274aa), confirmed by MALDI-TOF

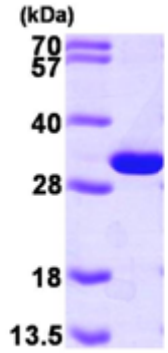
Storage: Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

Pictures:



15% SDS-PAGE (3ug)

Recombinant human PGAM1, 1-254 aa, His-tagged



15% SDS-PAGE (3ug)