

AR09629PU-N**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:

0.1 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 efficiency, also known as glycogen storage disease X.

Uniprot ID:[P18669](#)**NCBI:**[NP_002620](#)**GenelD:**[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 MAAYKLVLR HGESAWNLEN RFSGWYDADL SPAGHEEAKR
GGQALRDAGY EFDICFTSVQ KRAIRTLWTV LDAIDQMWLP VVRTWRLNER HYGGLTGLNK
AETAAKHGGA 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:

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

