

**PGM2, 1-612aa, Human, His tag, E.coli**

**Cat.NO.: TP03385**

3th Edition

**Synonyms:** Phosphoglucomutase-2, Phosphoglucomutase 2, MSTP006

**Description:** PGM2 also known as Phosphoglucomutase-2. PGM2 is protein of the alpha-d-phosphohexomutase family and sharing about 20% identity with mammalian phosphoglucomutase 1. It acts more than 10-fold better as a phosphopentomutase than as a phosphoglucomutase. Recombinant human PGM2 was expressed in E.coli and purified by using conventional chromatography techniques

**Form:** Liquid. In Phosphate buffered saline (pH7.4) containing 10% glycerol.

**Molecular Weight:** 70.7kDa (635aa)

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMGSMAPGSGLGEDARLDQETAQWLRWDKNSLTLEAVKRLIAEGNKEELRKC  
FGARMEFGTAGLRAAMGPGISRMNDLTIIQTTQGFCRYLEKQFSDLKQKGIVISFDARAHPSGGSSRRFARLAATT  
FISQGIPVYLFSDITPTFPVPFTVSHLKLKAGIMITASHNPKQDNGYKVYWDNGAQIISPHDKGISQAIEENLEPWPQA  
WDDSLIDSSPLLHNPSASINNDYFEDLKKYCFHRSVNRETKVKFVHTSVHGVGHSFVQSAFKAFDLVPPEAVPEQK  
DPDPEFPTVKYPNPEEGKGVLTLSFALADKTKARIVLANDPDADRLAVAQKQDSGEWRVFSGNELGALLGWLLFT  
SWKEKNQDRSALKDITYMLSSSTVSSKILRAIALKEGFHFEETLTGFKWMGNRAKQLIDQGKTVLFAFEEAIGYMCCPF  
VLDKDGVSAAVISAELASFLATKNLSLSQQLKAIYVEYGYHITKASYFICHQDQETIKKLFENLRNYDGKNNYPKACGKF  
EISAIRDLTTGYDDSQPDKKAVLPTSKSSQMITFTFANGGVATMRTSGTEPKIKYYAELCAPPGNSDPEQLKKELNE  
LVSAIEEHFFQPQKYNLQPKAD

**Purity:** > 95% by HPLC

**Concentration:** 1mg/ml (determined by Absorbance at 280nm)

**Endotoxin Level:** <1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.