

**AR50320PU-S****Mouse PGAM1 (1-254, His-tag) - Purified**

<b>Alternate names:</b>	BPG-dependent PGAM 1, PGAM 1, PGAM-B, PGAMA, Phosphoglycerate mutase 1, Phosphoglycerate mutase isozyme B
<b>Quantity:</b>	0.1 mg
<b>Concentration:</b>	1mg/ml (determined by Bradford assay)
<b>Background:</b>	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).
<b>Uniprot ID:</b>	<a href="#">Q9DBI1</a>
<b>NCBI:</b>	<a href="#">NP_075907.2</a>
<b>GeneID:</b>	<a href="#">18648</a>
<b>Species:</b>	Mouse
<b>Source:</b>	E. coli
<b>Format:</b>	<b>State:</b> Liquid purified protein <b>Purity:</b> >95% by SDS - PAGE <b>Buffer System:</b> 20 mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT
<b>Description:</b>	Recombinant mouse PGAM1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography. <b>AA Sequence:</b> MGSSHHHHHH SSGLVPRGSH MGSMAAYKL VLIRHGSAW NLENRFSGWY DADLSPAGHE EAKRGGQALR DAGYEFDICF TSVQKRAIRT LWTVLDAIDQ MWLPVVRTWR LNERHYGGLT GLNKAETA AK HGEAQVKIWR RSYDVPPPPM EPDHPFYSNI SKDRRYADLT EDQLPSCESL KDTIARALPF WNEEIVPQIK EGKRVLIAAH GNSLRGIVKH LEGLSEEAIM ELNLPTGIPI VYELDKNLKP IKPMQFLGDE ETVRKAMEAV AAQGKVKK <b>Molecular weight:</b> 31.4 kDa (278aa) confirmed by MALDI-TOF
<b>Storage:</b>	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
<b>General Readings:</b>	Cao L., et al. (2007) J. Immunol. 179:5864-5876 Ballif B.A., et al. (2008) J. Proteome Res. 7:311-318

Pictures:

