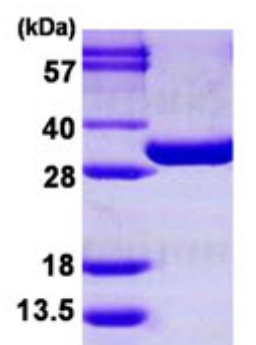


AR50320PU-N

Mouse 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:	1mg/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).
Uniprot ID:	Q9DBI1
NCBI:	NP_075907.2
GeneID:	18648
Species:	Mouse
Source:	E. coli
Format:	State: Liquid purified protein Purity: >95% by SDS - PAGE Buffer System: 20 mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT
Description:	Recombinant mouse PGAM1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography. AA Sequence: MGSSHHHHH SSGLVPRGSH MGSMAAYKL VLIRHGESAW NLENRFSGWY DADLSPAGHE EAKRGGQALR DAGYEFDICF TSVQKRAIRT LWTVLDAIDQ MWLPVVRTWR LNERHYGGTL GLNKAETAAK HGEAQVKIWR RSYDVPPPPM EPDHPFYSNI SKDRRYADLT EDQLPSCESL KDTIARALPF WNEEIVPQIK EGKRVLIAAH GNSLRGIVKH LEGLSEEAIM ELNLPTGIPI VYELDKNLKP IKPMQFLGDE ETVRKAMEAV AAQGVKKK Molecular weight: 31.4 kDa (278aa) confirmed by MALDI-TOF
Storage:	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.
General Readings:	Cao L., et al. (2007) J. Immunol. 179:5864-5876 Ballif B.A., et al. (2008) J. Proteome Res. 7:311-318

Pictures:



15% SDS-PAGE (3ug)