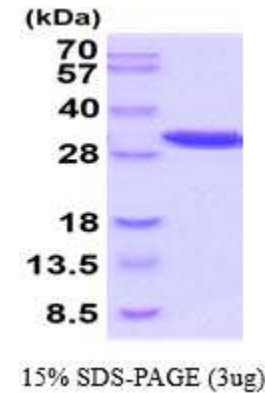


Phosphoglycerate mutase 1, mouse recombinant

CATALOG NO:	P1104-10 10 µg P1104-50 50 µg
ALTERNATE NAMES:	2310050F24Rik, Pgam-1
CONCENTRATION:	1 mg/ml (determined by Bradford assay)
SOURCE:	PGAM1 recombinant protein was expressed in E.coli and fused to His-tag at N-terminus (1-254aa), confirmed by MALDI-TOF
PURITY:	> 95% by SDS-PAGE
MOL. WEIGHT:	This protein is fused with 6x His tag at N terminus and the protein has a calculated MW of 31.4 kDa (278aa)
FORM:	Liquid
FORMULATION:	In 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT
STORAGE CONDITIONS:	Store at +4°C for short term (1-2 weeks). For long term storage, aliquot and store at -70°C. Avoid repeated freeze/thaw cycles.
SEQUENCE:	MGSSHHHHHH SSGLVPRGSH MGSMAAYKL VLIRHGESAW NLENRFSGWY DADLSPAGHE EAKRGGQALR DAGYFDICF TSVQKRAIRT LWTVLDAIDQ MWLPVVRTWR LNERHYGGGLT GLNKAETAAK HGEAQVKIWR RSYDVPPPPM EPDHPFYSNI SKDRRYADLT EDQLPSCESL KDTIARALPF WNEEIVPQIK EGKRVLIAAH GNSLRGIVKH LEGLSEEAIM ELNLPTGIPI VYELDKNLKP IKPMQFLGDE ETVRKAMEAV AAQGKVKK
DESCRIPTION:	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). Recombinant mouse PGAM1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
BIOLOGICAL ACTIVITY:	Specific activity is >150units/mg, in which One unit will convert 1.0 umole of 3-phosphoglycerate to 2-phosphoglycerate per minute at pH 7.6 at 37C.per minute at pH 7.6 at 37C



Mouse recombinant PGAM1

RELATED PRODUCT:

- 6-Phosphogluconic Acid (6-PGA) Assay Kit (Colorimetric) (Cat. No. K217-100)
- Phosphoglycerate mutase 2, human recombinant (Cat. No. P1103-10, -50)
- Phosphoglycerate mutase 1, human recombinant (Cat. No. P1105-10, -50)

FOR RESEARCH USE ONLY! Not to be used on humans.