

## 32-2660: mPGAM1 Recombinant Protein

**Alternative Name :** Phosphoglycerate mutase 1,BPG-dependent PGAM 1,Phosphoglycerate mutase isozyme B,PGAM-B,Pgam1,Pgam-1,2310050F24Rik.

### Description

Source : Escherichia Coli. PGAM1 Mouse Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 278 amino acids (1-254) and having a molecular mass of 31.4kDa.PGAM1 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. PGAM1 is part of the phosphoglycerate mutase family. PGAM1 is an essential component 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. PGAM1 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). PGAM1 mutations lead to muscle phosphoglycerate mutase deficiency, a.k.a. glycogen storage disease X.

### Product Info

**Amount :** 25 µg

**Purification :** Greater than 95% as determined by SDS-PAGE.

**Content :** The PGAM1 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 0.1M NaCl and 1mM DTT.

**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.

**Amino Acid :** MGSSHHHHHH SSSLVPRGSH MGSMAAYKL VLIRHGSAW NLENRFGSWY DADLSPAGHE  
EAKRGGQALR DAGYEFDICF TSVQKRAIRT LWTVLDAIDQ MWLPVVRTWR LNERHYGGLT GLNKAETA  
AK HGEAQVKIWR RSYDVPPPPM EPDHPFYSNI SKDRRYADLT EDQLPSCESL KDTIARALPF WNEEIVPQIK  
EGKRVLIAAH GNSLRGIVKH LEGLSEEAIM ELNLPTGIPI VYELDKNLKP IKPMQFLGDE ETVRKAMEAV  
AAQGVKVK.

