

## 32-2661: PGAM2 Recombinant Protein

**Alternative Name :** Phosphoglycerate mutase 2,BPG-dependent PGAM 2,Muscle-specific phosphoglycerate mutase,Phosphoglycerate mutase isozyme M,PGAM-M,PGAM2,PGAMM,GSD10.

### Description

Source : Escherichia Coli. PGAM2 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 273 amino acids (1-253) and having a molecular mass of 30.9kDa.PGAM2 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Phosphoglycerate mutase 2 (PGAM2) is a member of the phosphoglycerate mutase family. PGAM is a dimeric enzyme which contains in separate tissues, different proportions of a slow-migrating muscle (MM) isozyme, a fast-migrating brain (BB) isozyme, and a hybrid form (MB). PGAM (Phosphoglycerate mutase) catalyzes the reversible reaction of 3-phosphoglycerate (3-PGA) to 2-phosphoglycerate (2-PGA) in the glycolytic pathway. PGAM2 gene mutations cause muscle phosphoglycerate mutase efficiency, otherwise known as glycogen storage disease X.

### Product Info

**Amount :** 25 µg

**Purification :** Greater than 95.0% as determined by SDS-PAGE.

**Content :** The PGAM2 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 SSGLVPRGSH MATHRLVMVR HGESTWNQEN RFCGWFDAEL SEKGTEEAKR  
GAKAIKDAKM EFDICYSVL KRAIRTLWAI LDGTDQMWLP VVRTWRLNER HYGGTLGLNK AETAAKHGEE  
QVKIWRRSFD IPPPPMDEKH PYNSISKER RYAGLKPGEL PTCESLKDTI ARALPFWNEE IVPQIKAGKR  
VLIAAHGNSL RGIVKHLEGM SDQAIMELNL PTGIPIVYEL NKELKPTKPM QFLGDEETVR KAMEAVAAQG  
KAK.

