

PGAM1

Recombinant Human Phosphoglycerate Mutase 1 His

Catalog No.	CSI10736 CSI10737 CSI10738	Quantity:	5 µg 25 µg 1.0 mg
Alternate Names:	Phosphoglycerate mutase isozyme B, PGAM-B, PGAMA.		
Description:	<p>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.</p> <p>PGAM1 Human Recombinant produced in <i>E.coli</i> is a single, non-glycosylated, polypeptide chain containing 274 amino acids (1-254 a.a.) and having a molecular mass of 30.9 kDa. The PGAM1 is fused to an 20 amino acid His Tag at N-Terminus and purified by proprietary chromatographic techniques.</p>		
Physical Appearance:	Sterile filtered colorless solution.		
Gene ID:	5223		
Source:	<i>E. coli</i>		
Molecular Mass:	30.9 kDa		
Formulation:	The PGAM1 1mg/ml protein solution contains 20 mM Tris-HCl, pH-8 + 1 mM DTT, and 10% glycerol.		
Purity:	Greater than 90% as determined by SDS-PAGE.		
Amino Acid Sequence:	MGSSHHHHHH SSGLVPRGSH MAAYKLVLR HGESAWNLEN RFSGWYDADL SPAGHEEAKR GGQALRDAGY EFDICFTSVQ KRAIRTLWTV LDAIDQMWLP VVRTWRLNER HYGGLTGLNK AETAAKHGEA QVKIWRRSYD VPPPPMEPDH PFYSNISKDR RYADLTEDQL PSCELSKDTI ARALPFWNEE IVPQIKEGKR VLIAAHGNSL RGIKHLLEGL SEEAIMELNL PTGIPIVYEL DKNLKPIKPM QFLGDEETVR KAMEAVAAQG KAKK.		
Storage & Stability:	PGAM1 Recombinant Human although stable at 4°C for 30 days, should be stored desiccated below -20°C for periods greater than 30 days. Please avoid freeze-thaw cycles.		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

