

Phosphoglycerate Mutase 2 Human Recombinant, Active

Item Number	rAP-1333
Synonyms	Phosphoglycerate mutase 2, BPG-dependent PGAM 2, Muscle-specific phosphoglycerate mutase, Phosphoglycerate mutase isozyme M, PGAM-M, PGAM2, PGAMM, GSD10.
Description	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.
Uniprot Accession Number	P15259
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MATHRLVMVR HGESTWNQEN RFCGWFDAEL SEKGTEEAKR GAKAIKDAKM EFDICYTSLV KRAIRTLWAI LDGTDQMWLP VVRTWRLNER HYGGLTGLNK AETAAKH- GEE QVKIWRRSFD IPPPPMDEKH PYYNSISKER RYAGLKPGEI PTCESLKDTI ARALPFWNEE IVPQIKAGKR VLIAAHGNSL RGIVKHLEGM SDQAIMELNL PTGIPIVYEL NKELKPTKPM QFLGDEETVR KAMEAVAAQG KAK.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. 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.
Formulation and Purity	The PGAM2 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 0.1M NaCl and 1mM DTT. Greater than 95.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	Specific activity is > 100units/mg, in which One unit will convert 1.0 umole of 3-phosphoglycerate to 2-phosphoglycerate per minute at pH 7.6 at 37C.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**