

## Phosphoglycerate Mutase 1 Mouse Recombinant, Active

<b>Item Number</b>	rAP-1332
<b>Synonyms</b>	Phosphoglycerate mutase 1, BPG-dependent PGAM 1, Phosphoglycerate mutase isozyme B, PGAM-B, Pgam1, Pgam-1, 2310050F24Rik.
<b>Description</b>	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.
<b>Uniprot Accession Number</b>	Q9DBJ1
<b>Amino Acid Sequence</b>	MGSSHHHHHH SSGLVPRGSH MGSMAAYKL VLIRHGESAW NLENRFSGWY DADLSPAGHE EA-KRGGQALR DAGYEFDICF TSVQKRAIRT LWTVLD AIDQ MWLPVVRTWR LNERHYGGLT GLNKAETAAK HGEAQVKIWR RSYDVPPPPM EPDHPFYSNI SKDRRYADLT EDQLPSCESL KDTIARALPF WNEEIVPQIK EGKRVLIAAH GNSLRGIVKH LEGLSEEAIM ELNLPTGIPI VYELDKNLKP IKPMQFLGDE ETVRKAMEAV AAQGKVKK.
<b>Source</b>	Escherichia Coli.
<b>Physical Appearance and Stability</b>	Sterile Filtered clear 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.
<b>Formulation and Purity</b>	The PGAM1 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 0.1M NaCl and 1mM DTT. Greater than 95% as determined by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	
<b>Biological Activity</b>	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.
<b>Shipping Format and Condition</b>	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**