

Phosphoglycerate Mutase 1 Recombinant Protein | PGAM1 recombinant protein

Recombinant Human Phosphoglycerate Mutase 1

CATALOG #
AAA38846

PRODUCT SYNONYMS

Phosphoglycerate Mutase 1; Recombinant Human Phosphoglycerate Mutase 1; PGAM1 Human; Phosphoglycerate Mutase 1 Human Recombinant; Phosphoglycerate mutase isozyme B; PGAM-B; PGAMA; PGAM1 recombinant protein

PRODUCT SPECIFICATIONS

Purity/Purification	Greater than 90% as determined by SDS-PAGE.
Form/Format	The PGAM1 protein solution (1mg/ml) contains 20mM Tris-HCl pH-8, 1mM DTT, and 10% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence	MGSSHHH HHHSSGLVPR GSHMAA YKLVLRHGE SAWNLENRFS GWYDADLSPA GHEEAKRGGQ ALRDAGYEFD ICFTSVQKRA IRTLWTVLDA IDQMWLPPVVR TWRLNERHYG GLTGLNKAET AAKHGAEQVK IWRRSYDVPP PMPEDHPFY SNISKDRRYA DLTEDQLPSC ESLKDTIARA LPFWNEEIVP QIKEGKRVLI AAHGNSLRGI VKHLEGLSEE AIMELNLPTG IPIVYELDKN LKPIKPMQFL GDEETVRKAM EAVAAQGKAK K
Source	E.coli
Appearance	Sterile filtered colorless solution
Preparation and Storage	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.

ADDITIONAL INFORMATION

Related Product Information for PGAM1 recombinant protein	Description: PGAM1 Human Recombinant produced in E Coli 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 a 20 amino acid His Tag at N-Terminus and purified by proprietary chromatographic techniques. Introduction: 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 Categories/Family for PGAM1 recombinant protein	Enzymes; Mutase

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505753
NCBI GeneID	5223
NCBI Accession #	NP_002620.1
NCBI GenBank Nucleotide #	NM_002629.2
UniProt Accession #	P18669; Q9BWC0

NCBI Official Full Name	phosphoglycerate mutase 1
NCBI Official Synonym Full Names	phosphoglycerate mutase 1 (brain)
NCBI Official Symbol	PGAM1
NCBI Official Synonym Symbols	PGAMA; PGAM-B; HEL-S-35
NCBI Protein Information	phosphoglycerate mutase 1; BPG-dependent PGAM 1; epididymis secretory protein Li 35; phosphoglycerate mutase A, nonmuscle form; phosphoglycerate mutase isozyme B
UniProt Protein Name	Phosphoglycerate mutase 1
UniProt Gene Name	PGAM1
UniProt Synonym Gene Names	PGAMA; PGAM-B
UniProt Entry Name	PGAM1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/pgam1-recombinant-protein/38846>