

Product datasheet for **TP300701M**

PGAM2 (NM_000290) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human phosphoglycerate mutase 2 (muscle) (PGAM2), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC200701 protein sequence Red =Cloning site Green =Tags(s)
	 MATHRLVMVRHGESTWNQENRFCGWFDAELSEKGTTEEAKRGAKAIKDAKMEFDICYSVLKRAIRTLWAI LDGTDQMWLPVVRTWRLNERHYGGLTGLNKAETAAKHGEEQVKIWRRSFDIPPPPMDEKHPYNSISKER RYAGLKPGELPTCESLKDTIARALPFWNEEIVPQIKAGKRVLIAAHGNSLRGIVKHLEGMSDQAIMELNL PTGIPIVYELNKELKPTKPMQFLGDEETVRKAMEAVAAQGKAK TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	28.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_000281</u>
Locus ID:	5224
UniProt ID:	<u>P15259</u>



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RefSeq Size: 888

Cytogenetics: 7p13

RefSeq ORF: 759

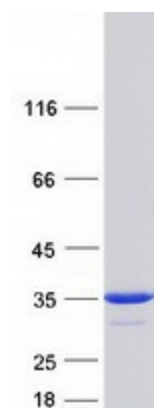
Synonyms: GSD10; PGAM-M; PGAMM

Summary: Phosphoglycerate mutase (PGAM) catalyzes the reversible reaction of 3-phosphoglycerate (3-PGA) to 2-phosphoglycerate (2-PGA) in the glycolytic pathway. The PGAM 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). This gene encodes muscle-specific PGAM subunit. Mutations in this gene cause muscle phosphoglycerate mutase efficiency, also known as glycogen storage disease X. [provided by RefSeq, Sep 2009]

Protein Families: Druggable Genome

Protein Pathways: Glycolysis / Gluconeogenesis, Metabolic pathways

Product images:



Coomassie blue staining of purified PGAM2 protein (Cat# [TP300701]). The protein was produced from HEK293T cells transfected with PGAM2 cDNA clone (Cat# [RC200701]) using MegaTran 2.0 (Cat# [TT210002]).