

Product datasheet for PH300701

PGAM2 (NM_000290) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PGAM2 MS Standard C13 and N15-labeled recombinant protein (NP_000281)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200701
Predicted MW:	28.8 kDa
Protein Sequence:	>RC200701 protein sequence Red=Cloning site Green=Tags(s) MATHRLVMVRHGESTWNQENRF CGWFD AELSEKGT EEA KRGA KAIKDAKMEFDICYTSVLKRAIRTLWAI LDGTDQM WLPVVRTWRLNERHYGGLTGLNKAETA AKHGEEQVKIWRRSFDIPPPPMDEKHPYNSISKER RYAGLKP GELPTCESLKDTIARALPFWNEEIVPQIKAGKRVLIAAHGNSLRGIVKHLEGMSDQAIMELNL PTGIPIVYELNKELKPTKPMQFLGDEETVRKAMEAVAAQ GKAK TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_000281
RefSeq Size:	888
RefSeq ORF:	759
Synonyms:	GSD10; PGAM-M; PGAMM
Locus ID:	5224
UniProt ID:	P15259



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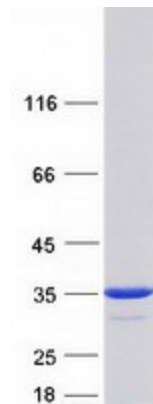
Cytogenetics: 7p13

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]).