

Recombinant Full Length Human PGAM2 Protein, C-Flag-tagged

Cat. No. PGAM2-1997HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human PGAM2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	28.6 kDa
AA Sequence	MATHRLVMVRHGESTWNQENRFCGWFDAELSEKGTEEAARGAKAIKDAKMEFDIC YTSVLKRAIRTLWAI LDGTDQMWLPPVVRTWRLNERHYGGTLGLNKAETAAKHGEE QVKIWRRSFDIPPPPMDEKHPYNSISKER RYAGLKPGEPLPTCESLKDTIARALPFW NEEIVPQIKAGKRVLIAAHGNSLRGIVKHLEGMSDQAIMELNL PTGIPIVYELNKKELKP TKPMQFLGDEETVRKAMEAVAAQ GKAK TRTRPLEQKLISEEDLAANDILDYKDDDD

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	KV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Protein Pathways	Glycolysis / Gluconeogenesis, Metabolic pathways
Full Length	Full L.

GENE INFORMATION

Gene Name	PGAM2 phosphoglycerate mutase 2 [Homo sapiens (human)]
Official Symbol	PGAM2
Synonyms	GSD10, PGAM-M, PGAMM
Gene ID	5224
mRNA Refseq	NM_000290.4

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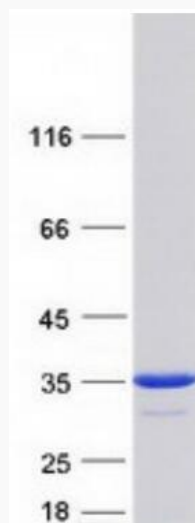
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Protein Refseq NP_000281.2

MIM 612931

UniProt ID P15259



Coomassie blue staining of purified PGAM2 protein.

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