

Recombinant Human PGAM1, MYC/DDK-tagged

Cat. No. PGAM1-2486TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PGAM1 fused with MYC/DDK at C-terminal, was expressed in HEK293 Cells.
Species	Human
Source	HEK293
Description	Phosphoglyceric acid mutase (EC 2.7.5.3) is widely distributed in mammalian tissues where it catalyzes the reversible reaction of 3-phosphoglycerate (3-PGA) to 2-phosphoglycerate (2-PGA) in the glycolytic pathway.
Molecular Mass	28.6 kDa
Purity	>80% as determined by SDS-PAGE and Coomassie blue staining
Storage buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
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.
Storage	Store at -800C. Avoid repeated freeze-thaw cycles. Stable for at least 3 months from receipt of products under proper storage and handling conditions.

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OfficialSymbol PGAM1

GENE INFORMATION

Gene Name PGAM1 phosphoglycerate mutase 1 (brain) [Homo sapiens]

Synonyms PGAM1; phosphoglycerate mutase 1 (brain); PGAMA; PGAM-B; phosphoglycerate mutase 1; BPG-dependent PGAM 1; phosphoglycerate mutase isozyme B; Phosphoglycerate mutase A; nonmuscle form; EC 3.1.3.13; EC 5.4.2.1; EC 5.4.2.4

Gene ID 5223

mRNA Refseq NM_002629

Protein Refseq NP_002620

MIM 172250

UniProt ID P18669

Chromosome Location 10q25.3

Pathway Gluconeogenesis; Gluconeogenesis, oxaloacetate => fructose-6P; Glycine, serine and threonine metabolism

Function bisphosphoglycerate 2-phosphatase activity; bisphosphoglycerate mutase activity; hydrolase activity; isomerase activity; phosphoglycerate mutase activity

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