Recombinant Human PGAM1, GST-tagged

Cat. No. PGAM1-2487TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PGAM1 (1 a.a. - 254 a.a.) fused with GST-tag at N-terminal, was expressed in wheat germ.
Species	Human
Source	Wheat Germ
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	53.68 kDa
Sequence	MAAYKLVLIRHGESAWNLENRFSGWYDADLSPAGHEEAKRGGQALRDAGYEFDIC FTSVQKRAIRTLWTVLDAIDQMWLPVVRTWRLNERHYGGLTGLNKAETAAKHGEAQ VKIWRRSYDVPPPPMEPDHPFYSNISKDRRYADLTEDQLPSCESLKDTIARALPFWN EEIVPQIKEGKRVLIAAHGNSLRGIVKHLEGLSEEAIMELNLPTGIPIVYELDKNLKPIKP MQFLGDEETVRKAMEAVAAQGKAKK
Storage buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH 8.0 in the elution buffer.
Applications	ELISA; WB
Storage	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

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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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