

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 FTSVQKRAIRTLWTVLDAIDQMWLPVVRTWRLNERHYGGLTGLNKAETAAKHGAEQ 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.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA