

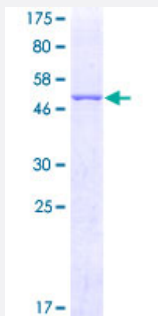
Full-Length

PGAM2 (Human) Recombinant Protein (P01)

Catalog # H00005224-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human PGAM2 full-length ORF (NP_000281.2, 1 a.a. - 253 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MATHRLVMVRHGESTWNQENRFCGWFDAELSEKGTEEAARGAKAIKDAKMEFDICYTSVLKRAI RTLWAILDGTDMWLPVVRTWRLNERHYGGLTGLNKAETAAKHGEEQVKWRRSFDIPPPMDE KHPYNSISKERRYAGLKPGEPTCESLKDITARALPFWNEEIMPQIKAGKRVLIAAHGNSLRGVKH LEGMSDQAIMELNLPTGIPIVYELNKEKPTKPMQFLGDEETVRKAMEAVAAQGKAK
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	55.2
Interspecies Antigen Sequence	Mouse (92); Rat (94)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — PGAM2

Entrez GeneID [5224](#)

GeneBank Accession# [NM_000290.2](#)

Protein Accession# [NP_000281.2](#)

Gene Name PGAM2

Gene Alias MGC88743, PGAM-M, PGAMM

Gene Description phosphoglycerate mutase 2 (muscle)

Omim ID [261670](#)

Gene Ontology [Hyperlink](#)

Gene 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 deficiency, also known as glycogen storage disease X. [provided by RefSeq]

Other Designations Phosphoglycerate mutase, muscle form

Pathway

- [Biosynthesis of alkaloids derived from histidine and purine](#)

- [Biosynthesis of alkaloids derived from ornithine](#)
- [Biosynthesis of alkaloids derived from shikimate pathway](#)
- [Biosynthesis of alkaloids derived from terpenoid and polyketide](#)
- [Biosynthesis of phenylpropanoids](#)
- [Biosynthesis of plant hormones](#)
- [Biosynthesis of terpenoids and steroids](#)
- [Glycolysis / Gluconeogenesis](#)
- [Metabolic pathways](#)