

## Product datasheet for **TP304054M**

### PGAM1 (NM\_002629) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human phosphoglycerate mutase 1 (brain) (PGAM1), 100 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone  
or AA Sequence:** >RC204054 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MAAYKLVLRHGESAWNLENRFSGWYDADLSPAGHEEAKRGGQALRDAGYEFDICFTSVQKRAIRTLWTV  
LDAIDQMWLPVVRTWRLNERHYGGLTGLNKAETAAKHGAEQVKIWRSSYDVPPPPMEPDHFPYSNISKDR  
RYADLTEDQLPSCESLKDTIARALPFWNEEIVPQIKEGKRVLIAAHGNSLRGIVKHLEGLSEEAIMELNL  
PTGIPIVYELDKNLKPIKPMQFLGDEETVRKAMEAVAAQGKAKK

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 28.6 kDa

**Concentration:** >0.05 µg/µL as determined by microplate BCA method

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

**Storage:** Store at -80°C.

**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** [NP\\_002620](#)

**Locus ID:** 5223

**UniProt ID:** [P18669](#), [Q6FHU2](#)



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RefSeq Size: 1762

Cytogenetics: 10q24.1

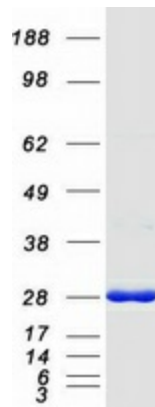
RefSeq ORF: 762

Synonyms: HEL-S-35; PGAM-B; PGAMA

**Summary:** The protein encoded by this gene is a mutase that catalyzes the reversible reaction of 3-phosphoglycerate (3-PGA) to 2-phosphoglycerate (2-PGA) in the glycolytic pathway. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2015]

**Protein Pathways:** Glycolysis / Gluconeogenesis, Metabolic pathways

### Product images:



Coomassie blue staining of purified PGAM1 protein (Cat# [TP304054]). The protein was produced from HEK293T cells transfected with PGAM1 cDNA clone (Cat# [RC204054]) using MegaTran 2.0 (Cat# [TT210002]).