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# Product datasheet for TP304054

## PGAM1 (NM_002629) Human Recombinant Protein

### Product data:

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|---|---|
| **Product Type:** | Recombinant Proteins |
| **Description:** | Recombinant protein of human phosphoglycerate mutase 1 (brain) (PGAM1), 20 µg |
| **Species:** | Human |
| **Expression Host:** | HEK293T |
| **Expression cDNA Clone or AA Sequence:** | >RC204054 protein sequence<br>Red=Cloning site Green=Tags(s)<br><br>MAAYKLVLIRHGESAWNLENRFSGWYDADLSPAGHEEAKRGGQALRDAGYEFDICFTSVQKRAIRTLWTV<br>LDAIDQMWLPVVRTWRLNERHYGGLTGLNKAETAAKHGEAQVKIWRRSYDVPPPPMEPDHPFYSNISKDR<br>RYADLTEDQLPSCESLKDTIARALPFWNEEIVPQIKEGKRVLIAAHGNSLRGIVKHLEGLSEEAIMELNL<br>PTGIPIVYELDKNLKPIKPMQFLGDEETVRKAMEAVAAQGKAKK<br><br>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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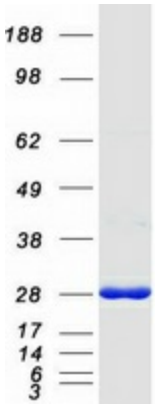
|---|---|
| **RefSeq Size:** | 1762 |
| **Cytogenetics:** | 10q24.1 |
| **RefSeq ORF:** | 762 |
| **Synonyms:** | HEL-S-35; PGAM-B; PGAMA |
| **Summary:** | The protein encoded by this gene is a mutase that catalyzes the reversible reaction of 3-phosphoglycerate (3-PGA) to 2-phosphoglycerate (2-PGA) 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]).