

## Product datasheet for **TP301522L**

### PGM3 (NM\_015599) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human phosphoglucomutase 3 (PGM3), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC201522 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MDLGAITKYSALHAKPNGLILQYGTAGFRTKAEHLDHVMFRMGLLAVLRSKQTKSTIGVMVTASHNPEED  
NGVKLVDPGLGEMLAPSWEEHATCLANAEEQDMQRVLIDISEKEAVNLQQDAFWIGRDTRPSSEKLSQSV  
IDGVTVLGGQFHDYGLLTPQLHYMVYCRNTGGRYGKATIEGYYQKLSKAFVELTKQASCSGDEYRSLKV  
DCANGIGALKLREMEHYFSQGLSVQLFNDGSKGKLNHLGADFPVKSHQKPPQGMIEKSNERRCCSFDGDAD  
RIVYYYHDADGFHFLIDGDKIATLISSFLKELLVEIGESLNIGVWQTAYANGSSTRYLEEVMKVPVYCTK  
TGVKHLHHKAQEFDIGVYFEANGHGTALFSTAVEMKIKQSAEQLEDKKRKAAMLENIIDLFNQAAGDAI  
SDMLVIEAILKGLTVQQWDALYTDLPNRQLKVQVADRRVISTTNAERQAVTPPGLQEAINDLVKYKYL  
SRAFVRPSGTEDVVRVYAEADSQESADHLAHEVSLAVFQLAGGIGERPQPGF

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-Myc/DDK
Predicted MW:	59.7 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.



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RefSeq: [NP\\_056414](#)

Locus ID: 5238

UniProt ID: [O95394](#)

RefSeq Size: 6107

Cytogenetics: 6q14.1

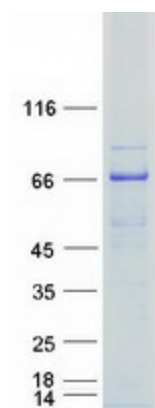
RefSeq ORF: 1626

Synonyms: AGM1; IMD23; PAGM; PGM 3

**Summary:** This gene encodes a member of the phosphohexose mutase family. The encoded protein mediates both glycogen formation and utilization by catalyzing the interconversion of glucose-1-phosphate and glucose-6-phosphate. A non-synonymous single nucleotide polymorphism in this gene may play a role in resistance to diabetic nephropathy and neuropathy. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Dec 2010]

**Protein Pathways:** Amino sugar and nucleotide sugar metabolism

### Product images:



Coomassie blue staining of purified PGM3 protein (Cat# [TP301522]). The protein was produced from HEK293T cells transfected with PGM3 cDNA clone (Cat# [RC201522]) using MegaTran 2.0 (Cat# [TT210002]).