

## Product datasheet for **TP303979**

### PGM2 (NM\_018290) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human phosphoglucomutase 2 (PGM2), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC203979 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MAAPEGSGLDEDARLDQETAQWLRWDKNSLTLEAVKRLIAEGNKEELRKCFGARMEFGTAGLRAAMGPGI  
SRMNDLTIIQTTQGFRCRYLEKQFSDLKQKGIVISFDARAHPSGGSSRRFARLAATTFISQGIPVYLFSD  
ITPTPFVPFTVSHLKLKAGIMITASHNPKQDNGYKVYWDNGAQIISPHDKGISQAIENLEPWPQAWDDS  
LIDSSPLLHNPSASINNDYFEDLKKYCFHRSVNRETQVVFVHTSVHGVGHSFVQSAFKAFDLVPPEAVPE  
QKDPDPEFPVTKYPNPEEGKGVLTLSFALADTKARIVLANDPDADRLAVAEKQDSGEWRVFSGNELGAL  
LGWWLFTSWKEKNQDRSALKDTYMLSSVSSKILRAIALKEGFHFEETLTGFKWMGNRAKQLIDQGKTVL  
FAFEEAIGYMCCPFVLDKDGVSAAVISAELASFLATKNLSLSQQLKAIYVEYGYHITKASYFICHQDQETI  
KKLFENLRNYDGKNNYPKACGKFEISAIRDLTTGYDDSQPDKKAVLPTSKSSQMITFTFANGGVATMRTS  
GTEPKIKYYAELCAPPGNSDPEQLKKELNELVSAIEEHFFQPQKYNLQPKAD

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

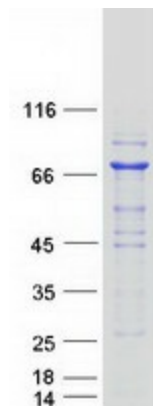
Tag:	C-Myc/DDK
Predicted MW:	68.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity 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.



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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_060760</a>
<b>Locus ID:</b>	55276
<b>UniProt ID:</b>	<a href="#">Q96G03</a>
<b>RefSeq Size:</b>	3238
<b>Cytogenetics:</b>	4p14
<b>RefSeq ORF:</b>	1836
<b>Synonyms:</b>	MSTP006
<b>Summary:</b>	Catalyzes the conversion of the nucleoside breakdown products ribose-1-phosphate and deoxyribose-1-phosphate to the corresponding 5-phosphopentoses. May also catalyze the interconversion of glucose-1-phosphate and glucose-6-phosphate. Has low glucose 1,6-bisphosphate synthase activity.[UniProtKB/Swiss-Prot Function]
<b>Protein Pathways:</b>	Amino sugar and nucleotide sugar metabolism, Galactose metabolism, Glycolysis / Gluconeogenesis, Metabolic pathways, Pentose phosphate pathway, Starch and sucrose metabolism

### Product images:



Coomassie blue staining of purified PGM2 protein (Cat# TP303979). The protein was produced from HEK293T cells transfected with PGM2 cDNA clone (Cat# [RC203979]) using MegaTran 2.0 (Cat# [TT210002]).