

## Product datasheet for PH303979

### PGM2 (NM\_018290) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	PGM2 MS Standard C13 and N15-labeled recombinant protein (NP_060760)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203979
Predicted MW:	68.3 kDa
Protein Sequence:	>RC203979 protein sequence Red=Cloning site Green=Tags(s)

MAAPEGSGLEDARLDQETAQWLRWDKNSLTLEAVKRLIAEGNKEELRKCFGARMEFGTAGLRAAMGPGI  
SRMNDLTIIQTTQGFRCRYLEKQFSDLKQKGIIVISFDARAHPSGGSSRRFARLAATTFISQGIPIVYLFSD  
ITPTFPVFTVSHLKLKAGIMITASHNPKQDNGYKVVWDNGAQIISPHDKGISQAIEENLEPWPQAWDDS  
LIDSSPLLHNPSASINNDYFEDLKKYCFHRSVNRETKVKFVHTSVHGVGHSFVQSAFKAFDLVPPEAVPE  
QKDPDPEFPTVKYPNPEEGKGVLTLSFALADTKARIVLANDPDADRLAVAQKQDSGEWRVFSGNELGAL  
LGWWLFTSWKEKNQDRSALKDITYMLSSSTVSSKILRAIALKEGFHFETLTGFKWMGNRAKQLIDQKTVL  
FAFEEAIGYMCCPFVLDKDGVSAAVISAEFLATKNLSLSQLKAIYVEYGYHITKASYFICHQETI  
KKLFENLRNYDGKNYPKACGKFEISAIRDLTTGYDSSQPDKKAVLPTSKSSQMITFTFANGGVATMRTS  
GTEPKIKYYAELCAPPNGSDPEQLKKELNELVSAIEEHFFQPQKYNLQPKAD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

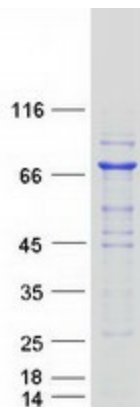
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u><a href="#">NP_060760</a></u>
RefSeq Size:	3238
RefSeq ORF:	1836



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<b>Synonyms:</b>	MSTP006
<b>Locus ID:</b>	55276
<b>UniProt ID:</b>	<u><a href="#">Q96G03</a></u>
<b>Cytogenetics:</b>	4p14
<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]).