

Product datasheet for **RC232979**

PGM3 (NM_001199917) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | PGM3 (NM_001199917) Human Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | PGM3 |
| Synonyms: | AGM1; IMD23; PAGM; PGM 3 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



[View online »](#)

ORF Nucleotide Sequence:

>RC232979 representing NM_001199917
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGAGGAGAGTGGGGACAATCTGCTATCTGCCCTGAGTCTGCCCAGGAGTGGACATACCAAGTTGGAC
 AACATCTTGTAGACATGGATTTAGGTGCTATTACAAAATACTCAGCATTACACGCCAAGCCCAATGGACT
 GATCCTTCAATACGGGACTGCTGGATTTGGAACGAAGGCAGAACATCTTGATCATGTCATGTTTCGCATG
 GGATTATTAGCTGCTGAGGTCAAACAGACAAAATCCACTATAGGAGTCATGGTAACAGCGTCCCACA
 ATCCTGAGGAAGACAATGGTGTAAAATTGGTTGATCCTTTGGGTGAAATGTTGGCACCATCTGGGAGGA
 ACATGCCACCTGTTTAGCAAATGCTGAGGAACAAGATATGCAGAGAGTGTATTGACATCAGCGAGAAA
 GAAGCTGTGAATCTGCAACAAGATGCCTTTGTAGTTATTGGTAGAGATACCAGGCCAGCAGTGAGAAA
 TTTCAAACTGTAAATAGATGGTGTGACTGTTCTAGGAGGTCAATCCATGATTATGGCTTGTTAACAA
 ACCCCAGCTGCACTACATGGTGTATTGTGAAACACGGGTGGCCGATATGAAAGGCAACTATAGAAGT
 TACTACCAGAAAATCTCTAAGGCTTTTGTGAACTCACCAACAGGCTTCTTGCACTGGAGATGAATACA
 GATCACTTAAGGTTGACTGTGCAATGGCATAGGGGCCCTGAAGCTAAGGAAATGGAACACTACTTCTC
 ACAGGGCTGTCAGTTCAGCTGTTAATGATGGGTCCAAGGGCAAATCAATCATTTATGTGGAGCTGAC
 TTTGTGAAAAGTCATCAGAAACCTCCACAGGGAATGGAATTAAGTCCAATGAAAGATGCTGTTCTTTTG
 ATGGAGATGCAGACAGAATTGTTTACTACCATGATGCAGATGGCCACTTTCATCTCATAGATGGAGA
 CAAGATAGCAACGTTAATTAGCAGTTTCCTTAAGAGCTCCTGGTGGAGATTGGAGAAAGTTTGAATATT
 GGTGTTGTACAACTGCATATGCAAATGGAAGTTCAACACGGTATCTTGAAGAAGTTATGAAGTACCTG
 TCTATGCACTAAGACTGGTGTAAAACATTTGCACCACAAGGCTCAAGAGTTTGACATTTGGATTTATT
 TGAAGCAAATGGGCATGGCACTGCTGTTAGTACAGCTGTTGAAATGAAGATAAAACAATCAGCAGAA
 CAACTGGAAGATAAGAAAAGAAAAGCTGCTAAGATGCTTGAAAACATTATTGACTTGTTAACAGGCAG
 CTGGTGTGCTATTTCTGACATGCTGGTATTGAAGCAATCTTGCTCTGAAGGGCTTGACTGTACAACA
 GTGGGATGCTCTTATACAGATCTTCAAACAGACAACCTAAAGTTTCAAGTTGCAGACAGGAGATTATT
 AGCACTACCGATGCTGAAAGACAAGCAGTTACACCCCAAGGATTACAGGAGGCAATCAATGACCTGGTGA
 AGAAGTACAAGCTTTCTCGAGCTTTGTCCGGCCCTCTGGTACAGAAGATGTCGTCGGAGTATATGCAGA
 AGCAGACTCACAAGAAAGTGCAGATCACCTTGACATGAAGTGAAGTGGCAGTATTTAGCTGGCTGGA
 GGAAATGGAGAAAGGCCCAACAGTTTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC232979 representing NM_001199917
 Red=Cloning site Green=Tags(s)

MGGEWQSAICPESAQEWTYQVGQHLVMDLGAITKYSALHAKPNGLILQYGTAGFRTKAEHLDHVMFRM
 GLLAVLRSKQTKSTIGVMVTASHNPEEDNGVKLVDPLEMLAPSWEEHATCLANAEEQDMQRVLIDISEK
 EAVNLQQDAFVVIQRDTRPSSEKLSQSVIDGVTVLGGQFHDYGLLTTPQLHYMVYCRNTGGRYGKATIEG
 YYQKLSKAFVELTKQASCSGDEYRSLKVDCAANGIGALKLREMEHYFSQGLSVQLFNDGSKGLNHLGAD
 FVKSHQPPQGMIEKSNRCCSFDGDADRIVYYYHDADGHFHLIDGDKIATLISSFLKELLVEIGESLNI
 GVVQTAYANGSSTRYLEEVKVPVYCTKTGVKHLHHKAQEFDIGVYFEANGHGTLFSTAVEMKIKQSAE
 QLEDKKRKAAMLENIIDLFNQAAGDAISDMLVIEAILALKGLTVQQWDALYTDLPNRQLKQVADRRVI
 STDAERQAVTTPGLQEAINDLVKYYKLSRAFRVPSGTEDEVVRYAEADSQESADHLAHEVSLAVFQLAG
 GIGERPQPGF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

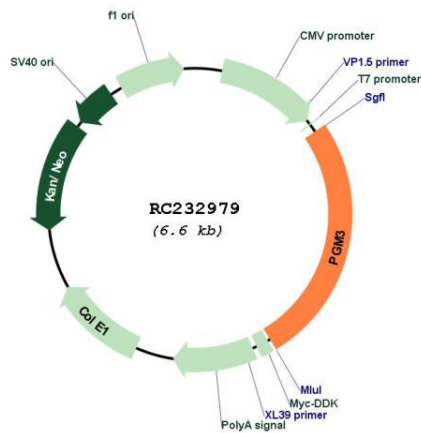
SgfI-MluI

Protein Pathways: Amino sugar and nucleotide sugar metabolism

MW: 63.4 kDa

Gene 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]

Product images:



Circular map for RC232979