

## Product datasheet for **SC204604**

### PGM3 (NM\_015599) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	PGM3 (NM_015599) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	PGM3
Synonyms:	AGM1; IMD23; PAGM; PGM 3
ACCN:	NM_015599
Insert Size:	2000 bp



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**Insert Sequence:** >SC204604 3'UTR clone of NM\_015599  
 The sequence shown below is from the reference sequence of NM\_015599. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
ATTGGAGAAAGGCCCAACCAGGTTTCGAAGATAATTTTCATATTCCTGAGAACTGGACTTTTTACA
AGTCTTTACAAAAGTCAATAAATGGCAGTACTAAGAGATTATAATCATAATGTTTACAATGCAG
CCTACTGGATTGTCTCTAGATCTGTTTTCTTAAACACTAACAGAATAATTCTTTATAAATAGGTAAGC
CTTACACTTGTTAAAGAAATTTACCTCTAATTTCACTCACTAATGTAAAATACTGGGACTTAAGTAT
ACAATTCAGTCACTAAGTACAGTTTTATGTGGGGAACAATTCATGCAGGCTACTGGAAAATTAATC
TTATTACCAACTCCTTGATATCTTTGCCATCACCATCATAGCAAGATGATGTTTTGCAGCATTCC
CCCATTGCTGATACAAAAGGAGAGGGCAGAGAAGACTTTATAACAACAGTTTTTCCATTGCAGAGTCTT
AAGAAAGATTATTAGATGACTTACCTATATGACTAATGCCATCAGGAAGTATGAATAGGGGG
TTGTCCATCCCTCTCCATACTGAGGTGGAGATGCTCATGCAATACTTTTAAAGGATGCATGGTCCAGCC
TTCAGTTATTCTCACTGCTCTTGGTGAAGGATGTGGGAGAAAAACTAATTATAATACGTTTCCAGC
CTCTGATGGAGAAGGAACACCATTCTGATACCAGAACATGGTTAAATAAGGAAAAGAGAAAAATCCCAA
CCAATCTTAATTGAACCAAGTCTGAAACCAATGGAAAAAAGGAGTGTATATTTTGCAGGTTT
AAGACAACCTCAGGACAATAAAAAAATGGACTTTACATGTGTATATATAGCTCTTATAGGCACCATA
ATCTAAATTAATAACAATCTGAAATGTCTGTACATACAAAAAGGAAAAACTATACAACGCAGAG
CAGTGTGTGTGTTTTAAATAATTACATTTACATGTAAGCTAAATGGAACCAAGCAATGGTGTCAAGTTT
TTATCATCCCTTCCAGAAAATCTTTTTCTACCATCTCTTCTATTTTTTGCCTGGCTTTGCTGGAACATG
GTTTGTGTTTCTCCAGTTTCATGTCCTTATTAGGGAAGGCATTTGAGTAGAGGATAGGACTCCCTGAGT
GTCCTCCACATCGGCTTGTGACTTTGCTGTTGAAGACTTGACTGAGCACATTGAAGAACGCAGGAGCT
GCTCCATACTGCGCACGGTGCAGATGGTGGAGCAGCAAGTCCCTGGCTCCCAACCAATGTTCTCCCTG
AGTTGCTTCTCTGGATTTTTCTGCAGAAAACAAAAAGTGAAGTGGTATTAATACAACAGACAATGTG
GTATGTTAGAAAAATTAATAATATAAACTTTGGCAATGGTCAAGAAATGAATACAAATGACATTAA
GTTTCTAACTCCTGACCTGATCAAAACCCTTGGTCTTCTGAGACCTTTTACTGCCATTTATTAGTTTT
ACATGGAGCAGTCTAACATTGTAGTAATAGTTCCCAACTAGAATGCGCAGATAAGCTTAGTTAACAGAA
ATAGCTTTGAACAGGAATAGAGTCAAACATAAAAGTTTTATGTTGTGCTTTGATTTACTCAAAAAGCT
CCCAGGTTTCTGAACCCTCACTACTGTAACCAAGGACTAGGTCACAAAATTACTACAGAAAAAGGAAC
AAAGTGCTTTATACATTTATAATATATCCCTTTTATTATAATTAGTTAATCCCTTTTATCTAAATG
GCCTAAATTTGCCATGATGGTAGCAGTGTCCAAAGTGAATAATTACTGTCAGTACTGCATCACAGAGAA
AGGAAGGGATCCCTCAGGAGACTGCTGTCTCTTCTGGGTTGTGCTAAACAACATAGGGAGGAAAG
ACGCGT AAGCGGCCGCGGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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**Restriction Sites:** SgfI-MluI

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:** [NM\\_015599.3](#)

**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]

**Locus ID:** 5238

**MW:** 76.5