

## Product datasheet for **SC207769**

### PGM1 (NM\_002633) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** PGM1 (NM\_002633) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** PGM1  
**Synonyms:** CDG1T; GSD14  
**ACCN:** NM\_002633  
**Insert Size:** 600 bp  
**Insert Sequence:** >SC207769 3'UTR clone of NM\_002633  
The sequence shown below is from the reference sequence of NM\_002633. The complete sequence of this clone may contain minor differences, such as SNPs.  
**Blue**=Stop Codon **Red**=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GGACGCACTGCACCCACTGTCATCACCTAAGAAGACAGGCCTGATGTGGTACGTCCTCCACCCCGGA
CCCATCCAAGTCATCTGATTGAAGAGCATGACAGAAACAAAATGTATTACCAAGCATTTTAGGATTTG
ACTTTTTCACTAACCCAGTTGACGAGCAGTGCATTTACAAGGCACTGCCAAACAAGATGCCCTTGGGAGC
TGTGAGGGAAAGAGGACCTGCGGGCTTAGATCAATCTCAATTCCTTTTCATGCCCTCCTGCATTGCTGC
TGCGTGGGTATTTGTCTCCTTAGCCATCAGGTACAGTTTACACTACAATGTAAGCTATAGGTGGAGCAT
CAGCAGTGAGTGAGGCCATTCTTCATCCTTAGGATGTGGCAATGAAATGATGGTGCAAGTTCCTTTCTC
TTTTGTGAATCTTTCCCCCATTCTGTTTACATGTAACCCAACAAAATGCAATTTCTAGTGCCTTCT
GTCCAATCAGTTCTTTCTCTGAGTGAGACGTAAGTGGCTACAGATTTCTGCCTTGTTTTGCGACATTG
TCCCATTCACACAGATATTTGGGATAATAAAGGAAAATAAGCTACAA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
```

**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 µg dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.



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RefSeq: [NM\\_002633.3](#)

**Summary:** The protein encoded by this gene is an isozyme of phosphoglucomutase (PGM) and belongs to the phosphohexose mutase family. There are several PGM isozymes, which are encoded by different genes and catalyze the transfer of phosphate between the 1 and 6 positions of glucose. In most cell types, this PGM isozyme is predominant, representing about 90% of total PGM activity. In red cells, PGM2 is a major isozyme. This gene is highly polymorphic. Mutations in this gene cause glycogen storage disease type 14. Alternatively spliced transcript variants encoding different isoforms have been identified in this gene.[provided by RefSeq, Mar 2010]

**Locus ID:** 5236

**MW:** 22.5