

Product datasheet for **RN213780**

Pgm1 (NM_017033) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pgm1 (NM_017033) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pgm1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN213780 representing NM_017033
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTGAAGATCGTGACAGTGAAGACGCAGGCATATCCGGATCAGAAGCCGGGCACCAGCGGTTGCGGA
 AGCGAGTGAAGGTGTTCCAGGGCAACGCTAACTATGCGGAGAATTCATCCAAAGCATCGTCTCCACCGT
 GGAGCCGGCGTTGAGGCAGGAGGCCACGCTGGTTGTGGCGGGGACGGTCGCTTCTACATGACCGAGGCC
 ATCCAGCTCATCGTACGCATCGCCGAGCCAACGGGATTGGCCGCCTGGTTATTGGACAGAATGGAATCC
 TCTCCACTCCTGCTGTATCCTGCATTATCCGAAAAATCAAAGCCATTGGTGGGATCATTCTGACAGCTAG
 CCACAATCCAGGAGGGCCAATGGAGATTTTGAATTAATTCATATTTCTAATGGGGTCTGCTCCA
 GAAGCAATCACGGATAAAATTTCCAAATCAGCAAGACAATCGAAGAATATGCCATTTGCCCTGACTTGA
 AGGTAGACCTCAGTGTCTGGGGAAGCAGCAGTTTGACTTGAAAAACAAGTTCAAGCCCTTCACAGTGGA
 GATCGTGGACTCAGTCGAGGCCATGCCACAATGCTGAGAAACATCTTTGATTTCAACGCACTGAAGGAG
 CTAATCTCTGGCCAAACAGACTGAAGATCCGCATCGACGCCATGCACGGAGTTGTGGGACCGTACGTCA
 AGAAGATCCTCTGTGAAGAACTTGGTGCSCCCGAAAACCTCAGCTGTGAAGTGTGTCCCTGGAGGATTT
 TGGAGGCCACCACCTGACCCCAACCTCACCTACGCTGCTGACCTGGTGGAAACCATGAAGTCAGGAGAG
 CATGATTTGCGGGCTGCCTTTGATGGTGTGGGATAGGAACATGATTCTGGGCAAGCACGGGTTCTTTG
 TGAACCTTCTGACTCTGTGGCTGTATCGCCGCAACATCTTCAGCATTCCGTATTTCCAGCAGACTGG
 GGTCCGTGGCTTTGCCCGCAGCATGCCCAAGTGGTGTCTGGACCGGTAGCAACGCCCAAAAGATC
 GCTTTGTATGAGACCCCAACTGGCTGGAAGTTTTTTGGGAATTTGATGGATGCAAGCAAGCTTCCCTCT
 GTGGAGAGGAGAGCTTTGGGACTGGTTCAGACCACATCCGAGAGAAAGATGGACTGTGGCCGCTCCTGGC
 CTGGCTCTCCATTCTGGCCACCCGAAACAGAGCGTGGAGGACATTCTCAAAGACCACTGGCAGAAGTTT
 GGTGCGAACTTCTTACCAGGTATGACTACGAGGAGGTGGAAGCCGAGGGTGCAAAACAAAATGATGAAGG
 ACCTGGAGGCCCTGATGCTGGACCCTCCTTTGTGGGGAAGCAGTTCTCAGCAAACGATAAAGTCTACAC
 GGTGGAGAAAGCGGATAATTTGGAATAGTGACCAGTAGAGTGAAGCATTTCAAAAAATCAGGGCTTG
 CGGCTATTTTTGCAGATGGTCTCGTATCATCTTCAGACTGAGCGGCACCGGGAGTGTGGGGCTACCA
 TCCGGCTATATTGATAGCTACGAGAAGGACGCTGCCAAGATCAACCAGGACCCCAAGTTCATGCTGGC
 GCCCTGATCTCCATTGCTCTGAAAGTGTCCAGCTCCAGGAGAGGACAGGCCCACTGCGCCCACTGTC
 ATCACCTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_017033
- Insert Size:** 1689 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_017033.2](#), [NP_058729.2](#)

RefSeq Size: 2307 bp

RefSeq ORF: 1689 bp

Locus ID: 24645

Cytogenetics: 5q33

Gene Summary: connects glycolysis and glycogen metabolism by interconverting glucose-1-phosphate and glucose-6-phosphate; plays a role in Ca²⁺ homeostasis [RGD, Feb 2006]