

Product datasheet for **MC200616**

Pgm2 (NM_028132) Mouse Untagged Clone

Product data:

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|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Pgm2 (NM_028132) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Pgm2 |
| Synonyms: | 2610020G18Rik; AA407108; AI098105; Pgm-2; Pgm1 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | PCMV6-Kan/Neo (PCMV6KN) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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Fully Sequenced ORF: >BC008527 sequence for NM_028132
 CTGAGCCCTCTGCAGCAGCCAGAGCCGACGCACTGTGCGCTCGCAGCCAACCGCCACCATGGTGAAGAT
 CGTGACAGTGAAGACGCAGGCATATCCGGATCAGAAGCCGGGACCCAGCGGATTGCGGAAGCGAGTGAAG
 GTTTCCAGAGCAACGCCAACTATGCGGAGAATTCATCCAGAGCATCGTCTCTACCGTGGAGCCGGCGC
 TGAGGCAGGAGGCCACGCTGGTTGTGGCGGGGACGGCCGCTTCTACATGACCGAGGCCATCCAGCTCAT
 CGTACGCATCGCTGCAGCAACGGGATTGGTCGCTGGTTATTGGGCAGAATGGAATCCTCTCCACCCCT
 GCCGTATCTTGCATCATCCGAAAAATCAAAGCCATTGGTGGGATCATTCTGACAGCCAGCCATAATCCAG
 GAGGGCCCAATGGAGATTTTGGAAATTAATCAATATTTCTAATGGGGTCTGCTCCAGAAGCAATCAC
 TGATAAAATTTTCCAAATCAGCAAGACAATCGAAGAATATGCCATTTGCCCTGACTTGAAGGTAGACCTC
 CGTGTCTGGGAAAGCAGCAGTTTACTTGGAAAAAAGTTCAAGCCCTTACAGTGGAGATTGTGGACT
 CAGTGGAGGCCTATGCCACAATGCTGAGAAACATCTTCGATTTCAACGCACTGAAGGAGCTACTCTCTGG
 TCCAAACAGACTGAAGATCCGCATAGACGCCATGCACGGAGTTGTGGACCGTACGTAAGAAGATCCTC
 TGTGAAGAACTTGGTCCCTGCAAACTCAGCTGTGAAGTGTGTTCCCTGGAGGATTTTGGAGGCCACC
 ATCCCACCCCAATCTCACCTATGCTGCTGACCTAGTGGAGACCATGAAGTCAGGAGAGCATGATTCGG
 GGCTGCCTTTGATGGTGACGGGGATCGAAACATGATTCTGGGCAAGCACGGGTTCTTTGTGAATCCTTCT
 GACTCTGTGGCTGTCATCGCTGCCAACATCTTACGATTCGGTACTTCCAGCAGACCGGGTCCCGTGGCT
 TTGCACGCAGCATGCCCAAGTGGTGTCTGGACCGGGTAGCAAATGCCACAAAGATCGCTTTGTATGA
 GACCCCAACTGGCTGGAAGTTTTTGGGAATTTGATGGATGCAAGCAAGCTGTCCCTCTGTGGAGAGGAG
 AGCTTTGGGACCGGTTCCGACCATATCCGAGAGAAAGATGGACTGTGGCCGCTCTGGCCTGGCTCTCCA
 TTCTGGCCACCCGCAAACAGAGCGTGGAGGACATCCTCAAAGACCACTGGCAGAAGTTTGGTCGGAACCT
 CTTTACCAGGTATGACTACGAGGAGGTGGAAGCTGAGGGTGCAACAAAAATGATGAAGGACCTGGAGGCC
 CTGATGCTGGACCGCTCCTTTGTGGGAAGCAGTTCTCAGCAAATGATAAAGTCTACACTGTGGAGAAAG
 CGGATAACTTTGAATATAGTGACCCAGTAGATGGAAGCATTTCAAAAAATCAGGGCTTGGCGCTTATTTT
 TGCAGATGGTTCTCGTATCATCTTCAGACTGAGTGGCACCGGGAGTGCAGGGGCTACCATCCGGCTGTAT
 ATGATAGCTACGAGAAGGACGTTGCCAAGATCAACCAGGACCCCGAGGTGATGCTGGCGCCCTGATCT
 CCATTGCTCTGAAAGTGTCCAGCTCCAGGAGAGGACGGGTGCGACTGCGCCCACTGTCATCACCTAGAA
 AGATGGCCAGATGTGGCAGTCCCTCCCCAGGACTATCCACGCCACCTGATTGAAGAGCACGGACAGAA
 ACAGTGTATTTGCCTGGGCCTTTTAGGACTCGGTCTTGATTTTTTACTTCCCACTTTGATAAACAGCCAT
 TTGTGAGGCACTGCCACTGTGTGGGGGAGAGGGAAAGCAGACCCGAGGGCCTGCACCCGTGTCTGTTCT
 TCTTTGCCCTATTAATTTGCTGCTGTGTGAGCCCTTGTCTCCCTACATCAGGTACAGTACACTACTG
 TAAAGATTTGGAGGTGGAGGGTACGCAACAAGACCATCTCCTGTCCATGGGGTGTGCCTGTAAAATGATA
 TCAAAGTTCCTGCTTCACTGTGAAAGTCTCCCATGTGTGTTTACATGTAATCCAACAGAATACGGTTC
 TGGTGCCTTCTCTGAGTGAGATGCGCTTGCCTTACAGCCTCTGTGTTATTTTGCATCTCCCATCTGCA
 CAGATATTTGGGTATTAAGCAGAATGTGCTATGAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_028132
Insert Size: 1689 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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: [BC008527](#), [AAH08527](#)

RefSeq Size: 2302 bp

RefSeq ORF: 1689 bp

Locus ID: 72157

UniProt ID: [Q9D0F9](#)

Cytogenetics: 4 45.71 cM

Gene Summary: This enzyme participates in both the breakdown and synthesis of glucose.[UniProtKB/Swiss-Prot Function]