

Product datasheet for **MC204717**

Pgm1 (NM_025700) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pgm1 (NM_025700) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pgm1
Synonyms:	3230402E02Rik; Pgm-1; Pgm2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >BC052762
 CCGGCCTCCTCCGCCCGTTGTGACTGCTGAGGGATGGCGGCGGCGACCCGACAGAGACACCGGCTCCG
 GAAGGCAGTGGCTTGGGTATGGACGCGCGACTGGACCAGGAGACCAGCGCAGTGGCTGCGTTGGGACCAGA
 ACCCTTTAACCTCTGAGTCAGTAAACAGCTCATTGCTGGAGGTAATAAAGAAGAGCTGCCGAAATGCTT
 TGGGGCCCGGATGGAGTTTGGGACAGCTGGCCTTCGAGCGCCTATGGGAGCAGGGATTTCTGAATGAAT
 GACCTGACCATCATCCAGACCACACAGGGATTTTGCAGGTACCTGGAAAAGCAGTTCAGTGACCTGAAGC
 AGAGGGCGTGGTATCAGCTTCGATGCGAGAGCTCACCCGCCAGCGGGGCGAGCAGCCGGAGGTTTGC
 CCGGCTGGCTGCGACTGCATTTATCACCCAGGGTTCCTGTATACCTCTTCTCTGATATAACCCACC
 CCCTTTGTGCCGTACACCGTGTGCGACCTGAAACTCTGCGCAGGCATCATGATCACTGCCTCGACAATC
 CAAAGCAGGACAATGGCTATAAGGTCTACTGGGACAACGGAGCTCAGATCATCTCTCCCACGATCGCGG
 CATTCTCAGGCCATTGAGGAAAATCTAGAGCCCTGGCCTCAGGCTTGGGAGGAGCTTTGGTTGACAGT
 AGTCCCTTTCTTACAACCCAGCGCTCCATCGGTAATGACTACTTTGAAGACCTTAAAAATACTGTT
 TTCACAGGACAGTGAACAAGGAGAGCAAGGTGAAGTTCGTGCACACCTCTGTCCATGGTGTGGCCATGA
 GTTTGTGACAGTTGGCCTTCAAGGCTTTGACCTTGTCTCTCCGAAGCTGTTCCCAACAGAAAAGATCCG
 GATCCCGAGTTTCAACTGTCAAATACCCGAATCTGAGGAGGGCAAAGGTGCTTGACTTTATCTTTTG
 CCTTGGCTGACAAAATCAAGGCCAAAATCGTCCTAGCCAATGACCCAGATGCTGACAGGCTCGCTGTGGC
 TGAGAAGCAAGACAGTGGTGAAGTGGAGAGTGTCTCAGGCAATGAGCTGGGGGCCCTGCTGGGATGGTGG
 CTCTTCACTTCTGAAAAGAAAAGAACCAAGATCAAAGTAACTCAAAGACATACATGCTGTCCAGCA
 CTGTTTCTCCAAAATCTTGGCGGCCATAGCCCTGAAGGAAGGCTTTCAATTCGAGGAAACATTAACCGG
 CTTCAAGTGGATGGGAAACAGAGCCCAACAGCTCGGAGACCAGGGGAAAACAGTCTATTTGCATTTGAA
 GAAGCTATCGGATACATGTGCTGTCCCTTTGTTCTGGACAAGATGGCGTCAGTGTGCTGTTATTTGTG
 CAGAGCTGGCGAGCTTTCTAGCAACGAAGAATTTGTCTTTATCTCAGCAGCTAAATGCCATCTATGTGA
 GTACGGTATCATATTACCACAGCTTCATATTTTATCTGCCATGATCAGGGCACAATTCAAAATTTATTT
 GGAAACCTGAGAAAATATGACGGGAAGAATAATTATCCCAAAATGTGTGGCAAGTTTGAATCTCTGCTA
 TCAGGGACCTTACAACCTGCTATGATGATAGCCAGCCTGACAAGAAAGCTGTTCTTCTACCAGTAAAGAG
 CAGCCAAATGATCACCTTACCTTTGCTAATGGAGGTGTGGCCACCATGCGGACCAGTGGGACTGAGCCC
 AAAATCAAGTACTACGCAGAGTTGTGTCTCCCTGGCAACAGTATCCGGAGCATCTGAAAAAGGAAC
 TGGATGAGTTAGTCGGTGCCATTGAAGAACATTTTTCCAGCCACAAAAATAAACCTACAGCCAAAAGC
 AGAATAAAACATTCCAGTACTGGATAGGATTAATTTACCTCCAATAAACTGAACCTGATTGTTAAAGCA
 ATAATATTTTAGGGCCAAGTGATTCAGATAATCACCACAAGTATTTACATATTTTCAACAGCTCTATCTT
 CCTTGTGATTTTTTTTTAATTATTATTTTTAGCCTGAAAAGTGAATAAAAAAGCTTGGCCAAACCC
 AACAACTAACATCTCTATGAAAATGTTAAATCTGGGCATTATCTGAATTTTTTAAATAAAGATTTAATT
 TTCTAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_025700

Insert Size: 1863 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: [BC052762](#), [AAH52762](#)

RefSeq Size: 2203 bp

RefSeq ORF: 1863 bp

Locus ID: 66681

UniProt ID: [Q7TSV4](#)

Cytogenetics: 5 32.8 cM

Gene Summary: Catalyzes the conversion of the nucleoside breakdown products ribose-1-phosphate and deoxyribose-1-phosphate to the corresponding 5-phosphopentoses. May also catalyze the interconversion of glucose-1-phosphate and glucose-6-phosphate. Has low glucose 1,6-bisphosphate synthase activity (By similarity).[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.