

Product datasheet for **MC218534**

Pgm3 (NM_028352) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pgm3 (NM_028352) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pgm3
Synonyms:	2810473H05Rik; Agm1; BB187688; C77933; PAGM; Pgm-3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC218534 representing NM_028352
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATCTGGAGGCTGTGTGTAAGCGCTCGGCACTCCATGCCAAGCCCCAGGGGCTCATTCTTCAGTATG
 GGACTGCTGGATTCGGACCAATGCCAGCATCTCGATCATATCATGTTTCGAATGGATTGCTAGCTGT
 CCTGCGGTCAAAGCAAACAAGATCTACCATTGGAGTCATGGTTACGGCCTCACATAAACCTGAGGAAGAC
 AATGGTGTGAAATTGGTTGATCCTTTGGGGGAAATGTTGGCCCTTCCTGGGAGGAGCATGCCACCTGTC
 TGGCCAGTGGGAGGAGCAGGACGTGGCGCAAGTCTTGTGCCATCGTGGAGAAAGAAGCTGTGGATCT
 GACACAGACCGCCTTCGTAGTCATTGCCAGAGACACCAGGCCAGCAGTGAGAACTTTCACAATCTGTG
 ATAGATGGCGTGACTGTTTTAGGAGTCAATCCATGATTACGGCCTGTTGACGACACCTCAGTTGCACT
 ACATGGTGTATTGCCGAATCCGGAGGCCGGTATGGACAGGCCACCGTAGAAGGCTACTGCCAGAAGCT
 CTCCAAGCTTTCTAGACCTTACGAATCAGGTTTCTGCAGTGGAGATGTAAGAGGTCAGTTAAGGTT
 GACTGTGCCAACGGCATAGGGCCCTTGAAGCTAAGAGAAATGGAACACTACTTCTCCCGGGCCTGTCCG
 TTCTGCTGTTAATGATGGGACCAAGGGCGGCTCAATCACCTGTGCGGTGCTGACTTTGTGAAAAGTCA
 ACAGAAACCCCCACAGGAATTGAAATGAAGTCCGGTGAGAGATGCTGCTCCTTCGATGGGGATGCGGAC
 AGGATCGTGTATTACTACTGTGATGCAGATGGTCACTTTCATCTCATAGATGGAGACAAGATAGCGACGT
 TAATTAGCAGTTTCCTTAAAGAGCTACTGTTGGAGATTGGAGAAAGTGTGAACCTCGGAGTCGTACAGAC
 AGCATATGCAAAATGGAAGTTCACGCGGTACCTTGAAGAAGTTATGAAGGTACCTGTGTATTGCACAAA
 ACTGGTGTAAACATTTGCATCACAAGGCTCAAGAGTTTGACATCGGAGTTTATTTTGAAGCGAACGGGC
 ATGGAACAGCACTGTTTCAGTGAAGCAGTTGAAGTGAAGATAAAAAGACTAGCCCAAGAAGTACAGATGG
 AAAAGGAAAAGCAGCCAGGACGCTTGCAGCATCATCGACTTATTCAACCAGGCAGCTGGAGATGCTATT
 TCTGACATGTTGGTGATTGAGGCTATCCTGGCTCTGAAGGGGCTGACTGTACAGCAGTGGGATGCTATTT
 ATGTCGATCTTCTAACAGACAACCTCAAAGTTAAGGTCGCGGACAGGAGATTATTAGCACCACGGATGC
 TGAGAGACAAGCAGTCACTCCACCAGGACTCCAAGAGGCAATCAATGACCTGGTGAAGAAAATACACACTT
 GCCCGAGCTTTTGTACGGCCCTCTGGTACTGAAGACATTGTCCGAGTATATGCAGAAGCCAACCTCACAAG
 AAAGCGCAGACAGGCTTGCCTATGAAGTGAAGTTGCTGGTGTCCAGCTGGCTGGAGGCATTGGAGAAAG
 ACCACAACCAACTTT**CGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_028352

Insert Size: 1629 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_028352.4](#), [NP_082628.3](#)

RefSeq Size: 4582 bp

RefSeq ORF: 1629 bp

Locus ID: 109785

UniProt ID: [Q9CYR6](#)

Cytogenetics: 9 46.58 cM

Gene Summary: Catalyzes the conversion of GlcNAc-6-P into GlcNAc-1-P during the synthesis of uridine diphosphate/UDP-GlcNAc, a sugar nucleotide critical to multiple glycosylation pathways including protein N- and O-glycosylation.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longer transcript and 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.