

Product datasheet for **MC217040**

Pgm3 (NM_001163746) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pgm3 (NM_001163746) 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: >MC217040 representing NM_001163746
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGATCTGGAGGCTGTGTGTAAGCGCTCGGCACTCCATGCCAAGCCCCAGGGGCTCATTCTTCAGTATG
GGACTGCTGGATTTCGGACCAATGCCAGCATCTCGATCATATCATGTTTCGAATGGATTGCTAGCTGT
CCTGCGGTCAAAGCAAACAAGATCTACCATTGGAGTCATGGTTACGGCCTCACATAACCCCTGAGGAAGAC
AATGGTGTGAAATTGGTTGATCCTTTGGGGGAAATGTTGGCCCTTCCTGGGAGGAGCATGCCACCTGTC
TGGCCAGTGGGAGGAGCAGGACGTGGCGCAAGTCTTGGTCCATCGTGGAGAAAGAAGCTGTGGATCT
GACACAGACCGCCTTCGTAGTCATTGCCAGAGACACCAGGCCAGCAGTGAGAACTTTCACAATCTGTG
ATAGATGGCGTGACTGTTTTAGGAGTCAATCCATGATTACGGCCTGTTGACGACACCTCAGTTGCACT
ACATGGTGTATTGCCGAATTCGGAGGCCGGTATGGACAGGCCACCGTAGAAGGCTACTGCCAGAAGCT
CTCCAAGCCTTCGTAGACCTTACGAATCAGGTTTCTGCAGTGGAGATGTAAGAGGTCAGTTAAGGTT
GACTGTGCCAACGCATAGGGCCCTTGAAGCTAAGAGAAATGGAACACTACTTCTCCCGGGCCTGTCCG
TTCTGCTGTTAATGATGGGACCAAGGGCGGCTCAATCACCTGTGCGGTGCTGACTTTGTGAAAAGTCA
ACAGAAACCCCCACAGGGAATTGAAATGAAGTCCGGTGAGAGATGCTGCTCCTTCGATGGGGATGCGGAC
AGGATCGTGTATTACTACTGTGATGCAGATGGTCACTTTCATCTCATAGATGGAGACAAGATAGCGACGT
TAATTAGCAGTTTCCTTAAAGAGCTACTGTTGGAGATTGGAGAAAGTGTGAACCTCGGAGTCGTACAGAC
AGCATATGCAAAATGGAAGTTCACGCGGTACCTTGAAGAAGTTATGAAGGTACCTGTGTATTGCACAAA
ACTGGTGTAAACATTTGCATCACAAGGCTCAAGAGTTTGACATCGGAGTTTATTTTGAAGCGAACGGGC
ATGGAACAGCACTGTTTCAGTGAAGCAGTTGAAGTGAAGATAAAAAGACTAGCCCAAGAAGTACAGCATGG
AAAAGGAAAAGCAGCCAGGACGCTTGCAGCATCATCGACTTATCAACCAGGTCGCGGACAGGAGAGTT
ATTAGCACCGGATGCTGAGAGACAAGCAGTCACTCCACCAGGACTCCAAGAGGCAATCAATGACCTGG
TGAAGAAATACACACTTGCCCGAGCTTTGTACGGCCCTCTGGTACTGAAGACATTGTCCGAGTATATGC
AGAAGCCAACCTACAAGAAAGCGCAGACAGGCTTGCCTATGAAGTGAAGTTGCTGGTGTCCAGCTGGCT
GGAGGCATTGGAGAAAGACCACAACCACTTTC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001163746

Insert Size: 1506 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_001163746.1](#), [NP_001157218.1](#)

RefSeq Size: 4459 bp

RefSeq ORF: 1506 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 (2) lacks an in-frame exon in the coding region, compared to variant 1. The encoded isoform (2) is shorter, compared to 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.