

Product datasheet for **MC219119**

Pgm5 (NM_175013) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pgm5 (NM_175013) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pgm5
Synonyms:	4833423B07; 9530034F03Rik; aciculin; D830025G17
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC219119 representing NM_175013
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGGGGAGCCCCATCCCAGTGTGACGGTGCCACGGCGCCCTATGAGGACCAGCGCCGACCGGTG
 GCGGCGGGCTGCGACGGCCACAGGGCTCTTCGAGGGCCAGCGCAACTACCTGCCAACTTCATCCAGAG
 TGTGCTGTCGTCATCGACCTGCGCGACCGTCAGGGTTGCACCATGGTGGTGGGAGCGACGGCAGGTAC
 TTCAGCAGGACGGCTACTGAGATCGTGGTGCAGATGGCTGCGGCCAATGGGATTGGTTCGACTGATTATTG
 GGCAGAATGGCATCTTGTGACCCCTGCAGTCTCCTGCATTATCAGGAAGATCAAGGCAGCTGGTGGGAT
 CATTCTAACAGCCAGCCACTGTCTGGAGGACCAGGGGGAGAGTTTGGAGTGAAGTTTAAATGTTGCCAAT
 GGAGGCTCTGCACCAGATGTTGTCTCAGACAAAATCTACCAGATCAGCAAAACAATTGAGGAATATGCCA
 TATGTCCAGATCTTCAATTGACCTATCTCGACTGGGAAGACAAGAATTTGACCTGGAGAACAAGTTCAA
 ACCATTAGAGTGGAGATTGTGGACCCGTTGACATCTATCTCAACCTCCTCCGGAATATCTTTGACTTT
 AACGCCATCAAGAGTTTGTCTGACAGGACCAGCCAACTGAAGATCCGTGTTGATGCTATGCATGGAGTTA
 TGGGACCCATGTAAAGAAAAGTTCTGTGTGATGAACTGGGAGCTCCAGCCAACTCCGCAATAAACTGTGT
 CCCACTAGAAGACTTCGGAGGGCAGCACCCAGACCCAACTGACCTATGCAACCACCCTCCTGGAAGCC
 ATGAAGGGGGGAGAATATGGATTTGGAGCTGCGTTTGTATGCTGATGGGGACCGTTATATGATCCTTGGCC
 AAAATGGCTTCTTTGTGAGTCCCTCAGACTCTCTCGCCATCATCGCTGCCAACCTCTCTTGCATTCCGTA
 TTTCCGTGATGGGGTTTCGCGGGTTTGGGAGGAGTAGCCAACCAGCACGGCTCTGGACAGAGTGGCT
 AAATCAATGAAGTCCCCGTGTATGAGACCCCTGCTGGATGGAGATTCTTCTCAAATCTGATGGACTCCG
 GACGATGCTCTCTGTGTGGAGAGGAGAGCTTCGGCACTGGGTCTGATCACCTCCGAGAGAAAGATGGCT
 CTGGGCTGTCTTGGTCTGGCTGTCCATTATTGCTGCCCGAAGCAGAGCGTGGAGGAAATTTGTTAGAGAC
 CATTGGGCCAAATATGGCCGCCACTACTACTGCAGGTTTATTACGAGGGACTGGAGCCCAAGGCAACCT
 ATTACATCATGAGGGATCTGGAGGCCCTAGTGACAGACAAGTCTTCATCGGCCAGCAGTTTGTGTAGG
 GAGCCACATTTACAGCATTGCAAAGACTGACAGCTTTGAATATGTGGACCCCGTGGATGGACCCTGACC
 AAGAAACAGGGCCTGAGGATCATCTTCTCGGATGCATCACGGCTAATATTCGGCTCAGTTCCTCCAGTG
 GTGTGCGGGCCACCATCAGACTGTATGCAGAGAGCTACGAGAGGGATCCCAGTGGTCACGACCAGGAACC
 ACAGGCAGTGTGAGCCCGCTCATCGCCATCGCATTGAAAATATCTCAGATTCACGAGAGGACCGGCCGG
 AGAGGACCCACCGTCATACC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAAATCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_175013

Insert Size: 1704 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_175013.2](#), [NP_778178.3](#)

RefSeq Size: 7981 bp

RefSeq ORF: 1704 bp

Locus ID: 226041

UniProt ID: [Q8BZF8](#)

Cytogenetics: 19 B

Gene Summary: Component of adherens-type cell-cell and cell-matrix junctions. Lacks phosphoglucomutase activity (By similarity).[UniProtKB/Swiss-Prot Function]