

## Product datasheet for **RR202690**

### **Pgm3 (NM\_001108772) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pgm3 (NM_001108772) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pgm3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RR202690 representing NM\_001108772  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGATCTGGAGGCTGTTTCTAAGCGCTCGGCATTCCATGCCAAGCCTCAGGGGCTCATTCTTCAGTATG  
 GGACTGCTGGATTCCGGACAAATGCCCAACATCTTGATCATATCATGTTTCAATGGGGTTGCTAGCTGT  
 TCTGAGGTCAAAGCAGACAAGATCTACCATTGGAGTCATGGTTACGGCCTCACACAACCCTGAGGAAGAC  
 AATGGCGTGAAATTGGTCGATCCTCTGGGGGAAATGTTGGCCCTTCTGGGAGGAGCATGCCACCCGTC  
 TGGCCAGTGCCGAGGAGCAGGACCTGCCAAGGTGCTTGTGCCATCGTGGAGAGAGAAGCCGTGGATCC  
 GCAGCAGACTGCCTTCATAGTTGTTGGCAGAGACACCAGACCCAGCAGCGAGAACTTTCCAGTCTGTA  
 ATAGACGGCGTGACTGTTTTAGGAGGTCAATCCATGATTATGGCCTCTTGACCACCTCAGCTACACT  
 ACATGGTGTATTGCCGAATCCGAAGGCCGCTATGGACAGGCCACCATAGAAGGCTACTGCCAGAACT  
 CTCAGGGCTTTCTGTAAGTCTGAAACAGGCTTCTGCAGTGGAGACGGAAGCAGATGGGTTAAGGTT  
 GACTGTGCCAACGGCATAGGGCCCTTGAAGCTAAAGGAAATGGAGCACTACTCCGCCAGGGACTGTCGG  
 TTCTGCTGTTAATGATGGGACTGAAGGGCGGCTCAACCACCTGTGCGGTGCTGACTTCTGAAAAGTCA  
 GCAGAAGCCCCCAGGGAATGGCAATGAAGCCGGGTGACAGATGCTGCTCCTTTGACGGGGATGCAGAC  
 AGGATCGTGTATTACTACTGCGATGCAGCTGGCCGCTTTCATCTCATAGACGGAGACAAGATAGCGACGC  
 TCATCAGCAGCTTCTTAAAGAGCTACTGTTGGAGATTGGAGAAAATCTGAATATCGCGCTCGTACAGAC  
 AGCATATGCAAAATGGAAGTCCACAAGGTACCTTGAAGAAGTTATGAAGGTACCTGTGTATTGCACTAAA  
 ACCGGTGTCAAACATTTGCATCACAAGGCTCAAGAGTTTGACATTGGAGTTTATTTTGAAGCGAATGGGC  
 ATGGCACAGCTCTGTTTCAGTGAAGCGGTTGAAGCGAGGATAAAGAGACTCGCCCAAGAGCTGGAAGATGA  
 AAAGGGAAGAGCTGCCAGGATGCTTGCAGCTTTCATCGACTTATCAACCAGGCAGCTGGAGATGCTATT  
 TCTGACATGCTGGTGATTGAGGCCATCCTGGCTCTGAAGGGGCTGTCTGTACAGCAGTGGGATGCTATTT  
 ATGCCGATCTTCTAACAGACAACCTCAAAGTTAAGGTTGCGGACAGAAGAGTTATTAGCACCACAGATGC  
 TGAGAGACAAGCAGTCACTCCACCAGGACTCCAGGAGGCAATCAATGACCTGGTGAAGAAGTACAAGCTT  
 GCCCGAGCTTTTGTACGGCCCTCTGGTACTGAGGATGTTGTCCGAGTCTATGCAGAAGCCACCTCACAAG  
 TAAGCTGGGATCAATCTACTGACAGAGTTGGGAATCAAGGAACACAGGGAAGGAGCAAGCACTCTGTGTT  
 TGGATCTACCATGGCTTCTTTGACATCTGTGAATACAGTCCTT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR202690 representing NM\_001108772  
 Red=Cloning site Green=Tags(s)

MDLEAVSKRSFAFHAKPQGLILQYGTAGFRNTAQHLDHIMFRMGLLAVLRSKQTRSTIGVMVTASHNPEED  
 NGVKLVDPLEMLAPSWEHATRLASAEEDLPKVLAAIVEREAVDPQQTAFIVGRDTRPSSEKLSQSV  
 IDGVTVLGGQFHDYGLLTPQLHYMVYCRNSEGRYQATIEGYCQKLSRAVELMKQASCSGDGSRWVKV  
 DCANGIGALKLKEMEHYFRQGLSVLLFNDGTEGRLNHLGADFKVSKQKPPQGMAMKPGDRCCSFDGDAD  
 RIVYYYDAAGRFLIDGDKIATLISSFLKELLEIGENLNIGVVQTAANGSSTRYLEEVMKVPVYCTK  
 TGVKHLHHKAQEFDIGVYFEANGHTALFSEAVEARIKRLAQELEDEKGRAARMLASFIDLFNQAAGDAI  
 SDMLVIEAILALKGLSVQQWDAIYADLPNRQLKVKVADRRVISTDAERQAVTPPGLQEAINDLVKYYKL  
 ARAVFVRPSGTEDVVRVYAEATSQVSWDQSTDRVGNQGTQGRSKHSVFGSHHGFPPLTSVNTVL

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_001108772

**ORF Size:** 1656 bp

**OTI Disclaimer:** 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](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_001108772.1](#), [NP\\_001102242.1](#)

**RefSeq Size:** 2083 bp

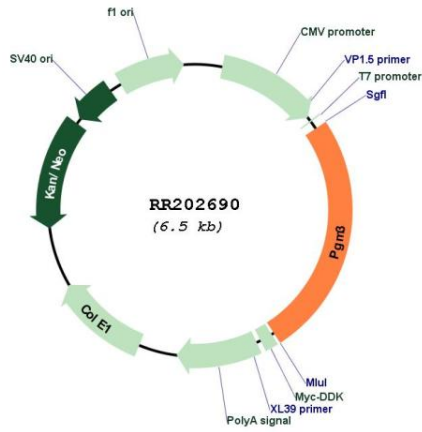
**RefSeq ORF:** 1659 bp

**Locus ID:** 363109

**Cytogenetics:** 8q31

**MW:** 60.8 kDa

Product images:



Circular map for RR202690