

Product datasheet for **RR208657**

Pgm2 (NM_001106007) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Pgm2 (NM_001106007) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Pgm2
 Synonyms: Pgm1
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 ORF Nucleotide Sequence: >RR208657 representing NM_001106007
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTTGTCAGCACCGTTTCTCCAAAATCCTGCGGGCCATAGCCTTAAAGGAGGGCTTTCATTTTCGAGG
 AAACATTAAGTGGCTTCAAGTGGATGGGAAACAGAGCCAAACAGCTAATAGACCAGGGGAAGACCGTCTCT
 ATTTGCATTTGAAGAAGCTATTGGATATATGTGCTGTCTTTTCGTTCTGGACAAGGATGGTGTCACTGCT
 GCTGTTATAAGTGCAGAGCTCGTAAGCTTCTAGCCACCAAGAATTTGTCTTTATCTCTGCAGCTAAAGG
 CCATCTATTTGGAGTACGGCTATCATATTACCACAGCTTCATATTTTATCTGCCATGATCAAGGCACGAT
 TCAGAAATTTTGAACCTGAGAACTATGATGGGAAGAATAAGTATCCCAAACTTGCAGGCAAGTTT
 GAAATCTCTGCTGTCAAGACCTTACAAGTGGCTATGACAGTAATCAACCTGATAAAAAGGCTGTTCTTC
 CTACCAGTAAGAGCAGCCAGATGATCACCTTACCTTCGTTAATGGAGGGGTGGCAACCATGCGGACCAG
 TGGGACCGAGCCCAAAATCAAGTATTATGCAGAGCTGTGTGCTCCCTGGCAACAGTATCCGGAGCAG
 CTGAAAAGAGAACTAGATGAGCTAGTCGGTGCCATTGAAGAACATTTTTCCAGCCACAAAAGTATAACC
 TACAGCCAAAAGCAGAA

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR208657 representing NM_001106007
Red=Cloning site Green=Tags(s)

MLSSTVSSKILRAIALKEGFHFEEETLTGFKWGMNRAKQLIDQGKTVLFAFEEAIGYMCCPFVLDKDGVSA
 AVISAELVSLATKNLSLSLQLKAIYLEYGYHITTASYFICHDQGTIQKLFENLRNYDGNKYPKTCGKF
 EISAVRDLTTGYDSNQPDKKAVLPTSKSSQMIFTFVNGGVATMRTSGTEPKIKYYAELCAPPNGSDPEQ
 LKRELDLVGAIEEHFFQPQKYNLQPKAE

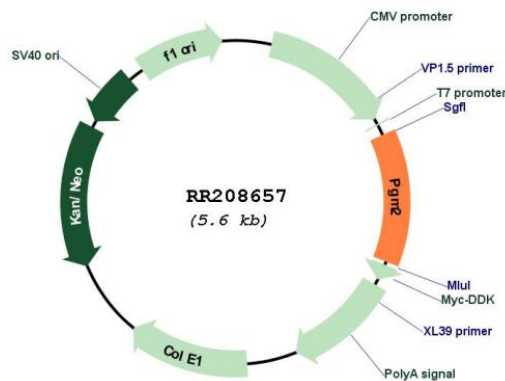
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001106007
ORF Size: 717 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:	<ol style="list-style-type: none">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_001106007.1 , NP_001099477.1
RefSeq Size:	2005 bp
RefSeq ORF:	720 bp
Locus ID:	289632
Cytogenetics:	14p11
MW:	26.7 kDa