

Product datasheet for **RR204269**

Pgm2l1 (NM_001109454) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pgm2l1 (NM_001109454) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pgm2l1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR204269 representing NM_001109454
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTGAGAACGCAATGATGACCTGAACTCTAACCTGCTCCACGCCCCCTACCTCACCGGGACCCCC
 AGCTAGACACGGCCATCGGGCAGTGGCTGCGTTGGGACAAGAATCCAAAAACAAAAGAGCAGATTGAAAA
 TCTCTTGCGGAATGGGATGAACAAGGAATTGCGTGATCGTCTTTGTTGCCGGATGACTTTTGGGACTGCA
 GGACTTCGATCTGCCATGGGAGCAGGGTTCTGCTACATTAATGACCTTACAGTAATACAGTCAACACAAG
 GGATGTACAAATACCTGGAGAGGTGTTTTTCAGACTTCAAGCAGAGAGGCTTTGTTGTTGGCTATGACAC
 CCGGGGTCAAGTACTAGCAGCTGCAGCAGCCAGAGGCTTGCTAACTACTGCTGCGGTGTTGCTGGCT
 AAAGATGTTCTGTTTACCTTTTTCAAGATACGTTCTACACCTTTCTGACCATATGCAGTTCAGGAGC
 TCAAAGCAGTCGAGGTGTGATGATTACTGCTTCTATAACCGCAAAGAGGACAACGGGTACAAGTTTA
 TTGGGAAACTGGTCTCAATCACATCTCCACATGATAAGGAAATCCTGAAATGTATAGAGGAGTGTGTG
 GAGCCCTGGGATGACTCTTGAATGATAATTTAGTGGACACCAGCCCACTGAAGAAAGATCCTCTTCAGG
 ACATTTGCAGGAGATACATGGAAGACCTGAAAAAGATCTGTTTTTACAGGACTTAAATTCAAAGACCAC
 CTTGAAGTTTGTACATACCTCCTTTTATGGCGTTGGACATGACTACGTGCAGTTGGCTTTTCAAGTATTT
 GGTTTTAAGCCTCCAATTCAGTCCCAGAACAGAAAGATCCAGATCCAGACTTTTCTACTGTTAAATGTC
 CAAACCTGAAGAAGGAGAATCTGTGCTGGAAGTGTCCCTGAGACTGGCAGAGAAAGAAAATGCACGGAT
 AGTGCTAGCCACAGATCCTGATGCAGACCGGCTGGCAGTAGCAGAACTCAGGAGAATGGTCATTGGAAG
 GTGTTACAGGGAATGAGTTGGCGGCTGTGTTGGTGGTGGATGTTGATTGCTGGAAGAAAAGTAAAC
 CAAATGCCGACGTGAAGAATGTTACATGCTAGCCACCCTGTCTTTCTAAAATTTTAAAGGCAATTGC
 CCTTAAAGAAGGATTTTCAATTTTGAAGAAACATTGCCAGGCTTTAAATGGATTGGAAGTAGGATAAAGAT
 CTCTAGGACATGGAAGAAGTCTTTTTGCATTTGAAGAGTCTATTGGCTTTCTGTGTGGAACCTCTG
 TGCTGGACAAAGATGGAGTCAGTGCAGCTGTTGTTGTTGCTGAAATGGCCGCTTTCTGGATGCCAGGAA
 GGTAACACTGATGGAGCAACTGATGAAAGTTTACGAAACATACGGTTATCACATGTCAAAAACCTTCATAT
 TTCTTGTTTATGACCCACCTACCATCAAACCATCTTTGAAAGGATTCGCAATTTTGTGCTCCAAAGG
 AATATCCAAAGTCTGTGGGCATTTGCTATTTGTCATGTACGGGACATAACCACTGGCTATGATAGCAG
 CCAGCAAATAAGAAATCAGTACTGCCTGTGAGCAAAAACAGCCAAATGATCACATTTACTTTTCAAAT
 GGCTGTGTTGCTACTCTCGAACAGTGGGACAGAACCAAGATAAAGTATTATGCAGAGATGTGCGCAT
 CACCTGGCCAGAGTGACTGCCTTACTGGAAGAAGAATTAAGAAACTCATTGATGCTCTGATAGAGAA
 TTTTCTTGAACCCAGTAAGAATGGACTGATCTGGCGTTCTGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR204269 representing NM_001109454
 Red=Cloning site Green=Tags(s)

MAENANDDLNSNLLHAPYLTDGDPQLDIAIGQWLRWDKNPKTKQEINLLRNGMKNELRDRLCCRMFTFGTA
 GLRSAMGAGFCYINDLTVIQSTQGMKYLERCFSDFKQRFVVGVDTRGQVTSSCSSQRLAKLTAAVLLA
 KDVPVYLFVSRYPVTPFVYAVQELKAVAGVMITASHNRKEDNGYKVVYWGTAQITSPHDKEILKCIIECV
 EPWDDSWNDNLVDTSPKKDPLQDLCRRYMEDLKKICFYRDLNSKTTLKFVHTSFHGVGHYVQLAFQVF
 GFKPPIPVPEQKDPDPDFSTVKCPNPEEGESVLELSRLAEKENARIVLATDPDADRLAVAEQENHGWK
 VFTGNELAAALFGWWMFDCWKKSKPNADVKNVYMLATTVSSKILKAIALKEGFHFEETLPFGKWIQSRIKD
 LLGHGKEVLFVAFEESIGFLCGTSLVDKDGVSAAVVVAEMAAFLDARKVTLMEQLMKVYETGYHMSKTSY
 FLCYDPPPTIKTIFERIRNFESPKYKFCGAFAILHVRDITTYDSSQPNKKSVPVSKNSQMITFTFQN
 GCVATLRTSGTEPKIKYYAEMCASPGQSDTALLEEELKLIIDAL IENFLEPSKNGLIWRSV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

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_001109454.1 , NP_001102924.1
RefSeq Size:	4108 bp
RefSeq ORF:	1866 bp
Locus ID:	685076
Cytogenetics:	1q32
MW:	70.2 kDa