

Product datasheet for **RR213780**

Pgm1 (NM_017033) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pgm1 (NM_017033) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pgm1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR213780 representing NM_017033
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTGAAGATCGTGACAGTGAAGACGCAGGCATATCCGGATCAGAAGCCGGGCACCAGCGGTTGCCGA
 AGCGAGTGAAGGTGTTCCAGGGCAACGCTAACTATGCGGAGAATTCATCCAAAGCATCGTCTCCACCGT
 GGAGCCGGCGTTGAGGCAGGAGGCCACGCTGGTTGTGGCGGGGACGGTCGCTTCTACATGACCGAGGCC
 ATCCAGCTCATCGTACGCATCGCCGACGCCAACCGGATTGGCCGCCTGGTTATTGGACAGAATGGAATCC
 TCTCCACTCCTGCTGTATCCTGCATTATCCGAAAAATCAAAGCCATTGGTGGGATCATTCTGACAGCTAG
 CCACAATCCAGGAGGGCCAATGGAGATTTTGAATTAATTTCAATATTTCTAATGGGGTCTGCTCCA
 GAAGCAATCACGGATAAAATTTCCAAATCAGCAAGACAATCGAAGAATATGCCATTTGCCCTGACTTGA
 AGGTAGACCTCAGTGTCTGGGAAGCAGCAGTTTACTTGGAAAACAAGTTCAAGCCCTCACAGTGGA
 GATCGTGGACTCAGTCGAGGCCATGCCACAATGCTGAGAAACATCTTTGATTTCAACGCACTGAAGGAG
 CTAATCTCTGGCCAAACAGACTGAAGATCCGCATCGACGCCATGCACGGAGTTGTGGGACCGTACGTCA
 AGAAGATCCTCTGTGAAGAACTTGGTGCSCCCGAAACTCAGCTGTGAAGTGTGTCCCTGGAGGATTT
 TGGAGGCCACCACCTGACCCCAACCTCACCTACGCTGCTGACCTGGTGGAAACCATGAAGTCAGGAGAG
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 GGTCCGTGGCTTTGCCCGCAGCATGCCACAAGTGGTGTCTGGACCGGGTAGCAAACGCCACAAAGATC
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 GTGGAGAGGAGAGCTTTGGGACTGGTTCAGACCACATCCGAGAGAAAGATGGACTGTGGCCGCTGGC
 CTGGCTCTCCATTCTGGCCACCCGAAACAGAGCGTGGAGGACATTCTCAAAGACCACTGGCAGAAGTTT
 GGTCCGAACTTCTTACCAGGTATGACTACGAGGAGGTGGAAGCCGAGGGTGCAAACAAAATGATGAAGG
 ACCTGGAGGCCCTGATGCTGGACCCTCCTTTGTGGGAAGCAGTTCTCAGCAAACGATAAAGTCTACAC
 GGTGGAGAAAGCGGATAATTTGGAATAGTGACCAGTAGAGTGAAGCATTTCAAAAAATCAGGGCTTG
 CGGCTATTTTTGCAGATGGTCTCGTATCATCTTCAGACTGAGCGGCACCGGGAGTGTGGGGCTACCA
 TCCGGCTATATTGATAGCTACGAGAAGGACGCTGCCAAGATCAACCAGGACCCCAAGTTCATGCTGGC
 GCCCTGATCTCCATTGCTCTGAAAGTGTCCAGCTCCAGGAGAGACAGGCCCACTGCGCCCACTGTC
 ATCACC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR213780 representing NM_017033
 Red=Cloning site Green=Tags(s)

MVKIVTVKIQAYPDQKPGTSGLRKRKRVKVFQGNANYAENFIQSIIVSTVEPALRQEATLVVGGDRFYMTEA
 IQLIVRIAAANGIGRLVIGQNGILSTPAVSCIIRKIKAIIGGIILTASHNPGGPNDFGIKFNISNGGPAP
 EAITDKIFQISKIIEEYAIICPDLKVDLSVLGKQQFDLENKFKPFTVEIVDSVEAYATMLRNIFDFNALKE
 LLSGPNRLKIRIDAMHGTVVGYVKKILCEELGAPANSVAVNCVPLEDFGGHHPDPNLTYAADLVETMKS
 HDFGAAFDGDGDRNMILGKHGFFVNPSSVAVIAANIFSIPIYFQQTGVRGFARSMP TSGALDRVANATKI
 ALYETPTGWKFFGNLMDASKLSLCGEESFGTGS DHIREDGLWAVLAWLSILATRKQSVEDILKDHQK
 GRNFFTRYDYEEVEAEGANKMMKDLEALMLDRSFVKGQFSANDKYYTVEKADNFEYSDPVDGSIKNOGL
 RLIFADGSRIIFRLSGTGSAGATIRLYIDSYEKDAAKINQDPQVMLAPLISIALKVSQQLQERTGRAPT
 VIT

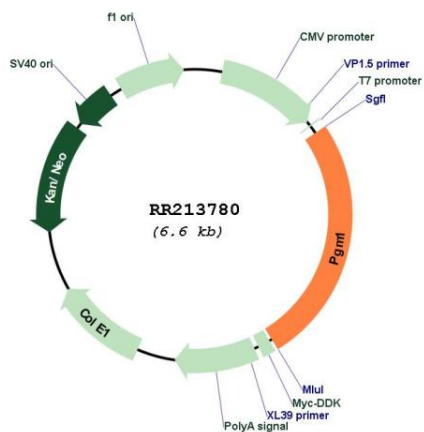
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Gene Summary: connects glycolysis and glycogen metabolism by interconverting glucose-1-phosphate and glucose-6-phosphate; plays a role in Ca²⁺ homeostasis [RGD, Feb 2006]

Product images:



Circular map for RR213780