

Product datasheet for **MC218218**

Pgk1 (BC083355) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pgk1 (BC083355) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pgk1
Synonyms:	Pgk-1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>BC083355 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTCGCTTTCCAACAAGCTGACTTTGGACAAGCTGGACGTGAAGGGGAAGCGGGTCGTGATGAGGGTGG
ACTTCAACGTTTCTATGAAGAACAACAGATAACAACAACCAAGGATCAAGGCTGCTGTTCCAAGCAT
CAAATTCGCTTGACAATGGAGCAAGTCCGTTGTCCTTATGAGCCACCTGGGCCGGCTGATGGTGTTC
CCATGCCTGACAAGTACTCCTTAGAGCCAGTTGCTGCTGAACTCAAATCTCTGCTGGGCAAGGATGTTCC
TGTTCTTGAAGGATTGTGTGGGCCAGAAAGTCGAGAATGCCTGTGCCAACCCAGCGGCTGGGACTGTCAT
CCTGCTGGAAAACCTCCGCTTTCATGTAGAGGAAGAAGGGAAGGAAAAGATGCTTCTGGAAAACAGGTT
AAAGCTGAGCCGGCCAAAATTGATGCTTTCCGAGCCTCACTGTCCAAACTAGGAGATGTCTATGTCAATG
ATGCTTTGGGACTGCACACCGAGCCATAGCTCCATGGTGGGTGTGAATCTGCCACAGAAGGCTGGTGG
ATTTTTGATGAAGAAGGAGCTGAACACTTTGCCAAGGCTTTGGAGAGTCCAGAGCGACCCTTCTGGCT
ATCTTGGGAGGCGCTAAAGTTGCAGACAAGATCCAGCTGATCAATAATATGCTAGACAAAGTCAATGAGA
TGATCATTGGTGGTGAATGGCCTTACCTTCTTAAGGTGCTCAACAACATGGAGATTGGCACATCTCT
GTATGATGAAGAAGGAGCCAAGATTGTCAAAGATCTCATGTCAAAGCTGAGAAAAATGGTGTGAAGATT
ACCTTGCCTGTTGACTTTGCTCACTGCTGACAAATTTGATGAGAATGCCAAGACTGGCCAAGCTACTGTGG
CCTCTGGTATACCTGCTGGCTGGATGGGCTTGGACTGTGGTACTGAGAGCAGCAAGAAAATATGCCGAGGC
TGTGGGTCGAGCTAAGCAGATTGTTGGAATGGTCTGTTGGGGTATTTGAATGGGAAGCCTTTGCCAGG
GGAACCAAGTCACTCATGGATGAGGTGGTGAAGCCACTTCTAGGGGTTGCATCACTATCATAGGTGGT
GAGACTGCCACTTGTGTGCCAAATGGAACACAGAGGATAAAGTCAGCCATGTGAGCACTGGGGCGG
TGCCAGCTAGAGCTCCTGGAAGGTAAGTCTTCTGGGGTGGATGCTCTCAGCAATGTTTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	BC083355
Insert Size:	1254 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:	<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:	<u>BC083355</u> , <u>AAH83355</u>
RefSeq Size:	1727 bp
RefSeq ORF:	1253 bp
Locus ID:	18655
Cytogenetics:	X 47.36 cM
Gene Summary:	The protein encoded by this gene is a glycolytic enzyme that catalyzes the conversion of 1,3-diphosphoglycerate to 3-phosphoglycerate. Additionally, this protein is secreted by tumor cells where it participates in angiogenesis by functioning to reduce disulfide bonds in the serine protease, plasmin, which consequently leads to the release of the tumor blood vessel inhibitor angiostatin. The encoded protein has been identified as a moonlighting protein based on its ability to perform mechanistically distinct functions. Many pseudogenes of this gene are found throughout the mouse genome. [provided by RefSeq, Jan 2014]