

## Product datasheet for MC207348

### Pgk1 (NM\_008828) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Pgk1 (NM_008828) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pgk1
Synonyms:	Pgk-; Pgk-1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC207348 representing NM_008828 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGTCGCTTTCCAACAAGCTGACTTTGGACAAGCTGGACGTGAAGGGGAAGCGGGTCGTGATGAGGGTGG  
ACTTCAACGTTCCCTATGAAGAACAACAGATAACAACAACCAAGGATCAAGGCTGCTGTTCCAAGCAT  
CAAATTCGCTTGACAATGGAGCAAGTCCGTTGTCCTTATGAGCCACCTGGGCCGGCCTGATGGTGTT  
CCCATGCCTGACAAGTACTCCTTAGAGCCAGTTGCTGCTGAACTCAAATCTCTGCTGGGCAAGGATGTT  
TGTTCTTGAAGGATTGTGTGGGCCAGAAAGTCGAGAATGCCTGTGCCAACCCAGCGGCTGGGACTGTCAT  
CCTGCTGGAAAACCTCCGCTTTCATGTAGAGGAAGAAGGGAAGGAAAAGATGCTTCTGGAAACAAGTT  
AAAGCTGAGCCGGCCAAAATTGATGCTTCCGAGCCTCACTGTCCAACTAGGAGATGTCTATGTCAATG  
ATGCTTTGGGACTGCACACCGAGCCATAGCTCCATGGTGGGTGTGAATCTGCCACAGAAGGCTGGTGG  
ATTTTTGATGAAGAAGGAGCTGAACACTTTGCCAAGGCTTTGGAGAGTCCAGAGCGACCCTTCTGGCT  
ATCTTGGGAGGCGCTAAAGTTGCAGACAAGATCCAGCTGATCAATAATATGCTAGACAAAGTCAATGAGA  
TGATCATTGGTGGTGAATGGCCTTACCTTCCCTAAGGTGCTCAACAACATGGAGATTGGCACATCTCT  
GTATGATGAAGAAGGAGCCAAGATTGTCAAAGATCTCATGTCAAAGCTGAGAAAAATGGTGTGAAGATT  
ACCTTGCCTGTTGACTTTGCTCACTGCTGACAAATTTGATGAGAATGCCAAGACTGGCCAAGCTACTGTGG  
CCTCTGGTATACCTGCTGGCTGGATGGCCTTGGACTGTGGTACTGAGAGCAGCAAGAAAATATGCCGAGGC  
TGTGGGTCGAGCTAAGCAGATTGTTGGAATGGTCTGTTGGGGTATTTGAATGGGAAGCCTTTGCCAGG  
GGAACCAAGTCACTCATGGATGAGGTGGTGAAGCCACTTCTAGGGGTTGCATCACTATCATAGGTGGT  
GAGACTGCCACTTGTGTGCCAAATGGAACACAGAGGATAAAGTCAGCCATGTGAGCACTGGGGGCGG  
TGCCAGCTAGAGCTCCTGGAAGGTAAGTCCTTCTGGGGTGGATGCTCTCAGCAATGTT**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_008828
<b>Insert Size:</b>	1254 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_008828.3</a> , <a href="#">NP_032854.2</a>
<b>RefSeq Size:</b>	1840 bp
<b>RefSeq ORF:</b>	1254 bp
<b>Locus ID:</b>	18655
<b>UniProt ID:</b>	<a href="#">P09411</a>
<b>Cytogenetics:</b>	X 47.36 cM
<b>Gene Summary:</b>	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]