

Product datasheet for **MC209165**

Pgk2 (NM_031190) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Pgk2 (NM_031190) Mouse Untagged Clone
 Tag: Tag Free
 Symbol: Pgk2
 Synonyms: Pgk-2; Tcp-2
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 Fully Sequenced ORF: >MC209165 representing NM_031190
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTCTTTCTGCTAAGTTGACTCTGGACAAAGTGGATCTTAAGGGAAAAGAGTAATCATGAGAGTAG
 ACTTCAACGTTCCCATGAAGAATAACCAAATTACAAACAACCAGAGAATCAAGGCTGCCATCCCAAGTAT
 CAAGCACTGTCTGGACAATGGAGCAAGTCCGTAGTTCTCATGAGTCACCTCGGTCGGCCTGATGGTATC
 CCTATGCCAGACAAGTATTCATTAGAGCCTGTTGCTGATGAGCTCAAGTCCCTGCTGAACAAGGAGGTC
 TATTCTGAAGGACTGTGTGGCCCTGAAGTAGAGCAAGCCTGTGCCAACCCAGATAATGGGTCTATCAT
 CCTGCTGGAGAACCTGCGCTTCCATGTGGAGGAAGAAGGTAAGGGTAAAGATTCTTCTGGAAAAAGATT
 AGTGCTGACCCTGCTAAAGTAGAAGCCTTCCAAGCATCACTGTCTAAACTTGGCGATGTCTATGTCAACG
 ATGCATTTGGCACTGCACATCGGGCTCACAGTTCTACGGTCGGAGTAAATTTGCCCCAGAAGGCATCTGG
 TTTCTTATGAAGAAGGAAGTGGATTATTTTTCCAAGGCTTTAGAAAAGCCAGAGAGGCCCTTCTGGCT
 ATCCTTGGTGGAGCCAAAGTAAAAGACAAGATCCAACCTCATAAAAAATATGTTAGACAAAAGTCAATTTCA
 TGATTATTGGTGGTGAATGGCTTACACCTTCTGAAAGAAGTCAAGAACATGCAGATTGGTGTCTCCTT
 GTTTGATGAAGAGGGAGCCACGATTGTTAAAGAGATCATGGAAAAAGCAGAAAAGAAATGGTGTAAGATA
 GTTTTTCTGTTGACTTTGTTACTGGTGAAGTTTGTGAGAATGCTAAAGTTGGACAAGCCACTATAG
 AATCTGGTATACCATCTGGTTGGATGGGCTTGGACTGTGGCCCTGAGAGCATTAAATCAATGCTCAAAT
 TGTGGCCCAAGCAAAGCTGATAGTTTGAATGGACCTATTGGGGTATTGAAATGGGATGCCTTTGCTAAA
 GGAACCAAAGCTCTCATGGATGAAGTTGTAAGGCCACCTCCAATGGCTGTGTACCATTATAGGAGGCG
 GAGATACTGCTACTTGTGCGCCAAATGGGGCACTGAAGACAAGGTCAGCCATGTGAGCACAGGAGGTGG
 GGCAAGTCTTGAGCTTCTGGAAGGTAATAATCCTCCAGGGGTAGAGGCCCTCAGCAACATG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_031190
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:	NM_031190.2 , NP_112467.2
RefSeq Size:	1592 bp
RefSeq ORF:	1254 bp
Locus ID:	18663
UniProt ID:	P09041
Cytogenetics:	17 19.44 cM
Gene Summary:	Essential for sperm motility and male fertility but is not required for the completion of spermatogenesis (PubMed:19759366).[UniProtKB/Swiss-Prot Function]