

## Product datasheet for **MC221559**

### **Pfkm (NM\_001163487) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pfkm (NM_001163487) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pfkm
Synonyms:	A1131669; ATP-PFK; Pfk-4; PFK-A; PFK-M; Pfk4; Pfka; Pfkx
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221559 representing NM\_001163487  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGACCCATGAAGAGCATCATGCAGCCAAAACCCTGGGGATCGGCAAGGCCATCGCCGTGTGACCTCTG  
 GTGGAGATGCCCAAGGTATGAATGCTGCCGT CAGGGCTGTGGTCCGAGTTGGTATCTTCAGGGCGCCCG  
 CGTCTTCTTTGTCCATGAGGGTTACCAAGGCCTGGTGGACGGTGGCGAGCACATCAGGGAGGCCACGTGG  
 GAGAGCGTGTCTATGATGCTTCAGCTGGGTGGCACAGTGATTGGAAGTCCCGATGCAAGGACTCCGAG  
 AGCGAGAAGGACGACTCCGGGCCGCCACAACCTGGTGAAGCGGGGGATACCAATCTGTGTGCATCGG  
 AGGCGATGGCAGCCTCACTGGGGCTGACACTTCCGTTCCAGAGTGGAGCGACTTGCTGAATGATCTCCAG  
 AAAGACGGGAAGATCACAGCCGAGGAGGCTACAAAGTCCAGCTACCTGAACATCGTGGCCCTGGTTGGCT  
 CAATCGACAATGACTTCTGTGGCACTGATATGACCATTGGTACCGACTCTGCCCTGCACAGGATTGTGGA  
 GATCGTAGACGCCATCACCACCAGGCTCAGAGCCACCAGAGGACGTTTTGTGTTAGAAGTATGGGCCGC  
 CACTGTGGATACCTGGCCCTTGTACCTCTCTGTCTGTGGGGCCGACTGGGTTTTATTCTGAGTGTCTC  
 CGCCAGACGATGACTGGGAAGAACACCTTTGTCGCCGGCTCAGTGAGACAAGGACCCGTGGCTCTCGTCT  
 CAACATCATATTGTTGCTGAAGGTGCCATCGACAAGAACGGGAAGCCAATCACCTCAGAAGACATCAAG  
 AACCTGGTGGTGAAGCGCCTTGATATGACACCCGGTCACTGTTCTGGGACATGTACAGCGGGTGGGA  
 CACCATCAGCCTTTGACCGGATCCTGGGACGAGGATGGGTGTGGAAGCAGTGATGGCACTTTTGGAGGG  
 GACCCAGACACCCAGCCTGTGTGGTGAAGCCTCTCTGGTAACCAGGCTGTGCGTTTCCCTCATGGAG  
 TCGGTGCAGGTGACCAAGACGTGACCAAGGCTATGGATGAGAAGAGATTGATGAAGCCATTAAGCTGA  
 GGGCCGGAGCTTCATGAACAACCTGGGAGGTATACAAGCTTCTAGCTCATGTCAGACCCCAAGTCTCTAA  
 GGGTGGGTTGCACACAGTGGCCGTGATGAATGTGGGGGCCAGCTGCTGGCATGAATGCCGCTGTTCCGC  
 TCTACCGTGAGGATTGGCCTTATCCAGGCAACCGGGTGTGGTCTGATGATGGCTTTGAGGGTCTGG  
 CCAAAGGTGAGATTGAGGAGGCTGGCTGGAGCTATGTTGGAGGCTGGACTGGTCAAGGTGGTTCCAACT  
 TGGTACTAAAAGGACTCTCCCAAGAAGAACCTGGAACAGATCAGTGCCAACATAACCAAGTTTAAACATC  
 CAGGGCCTTGTGCATATTGGGGCTTTGAGGCTTACACAGGGGCTTGGAGCTGATGGAAGGCAGGAAGC  
 AGTTTGATGAGCTCTGCATCCCCTTTGTGGTCACTCCGGCCACGGTTTCCAATAACGTCCCTGGGTGAGA  
 CTTGAGCATCGGGCTGACACAGCACTGAACACCATCTGCACGACTTGTGACCGAATCAAGCAGTCTGCA  
 GCAGGCACCAAACGTGGGTGTTTATCATCGAGACTATGGGTGGCTACTGTGGCTACCTGGCCACCATGG  
 CAGGGCTGGCCGCTGGGGCTGATGCTGCCTACATTTTGGAGAACCTTACCATTTCGCGATCTCCAGGT  
 GAATGTTGAACATCTGGTGCAGAAGATGAAAACAACCTGTGAAGAGAGGCCTGGTGTGAGGAATGAGAAA  
 TGCAATGAGAATACTACTACTGACTTCAATTTTCAACCTGTACTCTGAGGAGGGGAAGGGCATCTTTGATA  
 GCAGGAAGAACGTGCTTGGCCACATGCAGCAGGGTGGAAAGCCAACTCCCTTTGACAGGAATTTGCCAC  
 TAAGATGGGTGCTAAGGCTATGAACTGGATGTCTGGGAAAATCAAGGAGAGTTACCGTAATGGACGGATC  
 TTTGCCAACCCCTGACTCAGGCTGCGTTCTGGGGATGCGTAAGAGGGCCCTGGTCTTTCAGCCAGTAA  
 CTGAGCTGAAGGACCAGACAGACTTTGAACACCGAATCCCAAAGAACAGTGGTGGCTGAAGCTGAGGCC  
 AATCCTCAAATCCTAGCCAAGTACGAGATTGATCTGGACACCTCCGACCACGCCACCTGGAGCACATT  
 TCAAGAAACGGTCTGGAGAAGCCCGCTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul  
 ACCN: NM\_001163487  
 Insert Size: 2343 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_001163487.1</a> , <a href="#">NP_001156959.1</a>
<b>RefSeq Size:</b>	2894 bp
<b>RefSeq ORF:</b>	2343 bp
<b>Locus ID:</b>	18642
<b>UniProt ID:</b>	<a href="#">P47857</a>
<b>Cytogenetics:</b>	15 F1
<b>Gene Summary:</b>	Catalyzes the phosphorylation of D-fructose 6-phosphate to fructose 1,6-bisphosphate by ATP, the first committing step of glycolysis.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the predominant transcript. Variants 1, 2, 3 and 4 encode the same protein.