

Product datasheet for **MC221561**

Pfkm (NM_021514) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pfkm (NM_021514) 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: >MC221561 representing NM_021514
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGACCCATGAAGAGCATCATGCAGCCAAAACCCTGGGGATCGGCAAGGCCATCGCCGTGTGACCTCTG
 GTGGAGATGCCCAAGGTATGAATGCTGCCGTACGGCTGTGGTCCGAGTTGGTATCTTACGGGGCGCCCG
 CGTCTTCTTTGTCCATGAGGGTTACCAAGGCCTGGTGGACGGTGGCGAGCACATCAGGGAGGCCACGTGG
 GAGAGCGTGTCTATGATGCTTACGTGGGTGGCACAGTGATTGGAAGTCCCGATGCAAGGACTCCGAG
 AGCGAGAAGGACGACTCCGGGCCGCCACAACCTGGTGAAGCGGGGGATACCAATCTGTGTGCATCGG
 AGGCGATGGCAGCCTCACTGGGGCTGACACTTCCGTTCCAGAGTGGAGCGACTTGTGAATGATCTCCAG
 AAAGACGGGAAGATCACAGCCGAGGAGGCTACAAAGTCCAGCTACCTGAACATCGTGGCCCTGGTTGGCT
 CAATCGACAATGACTTCTGTGGCACTGATGACCATTGGTACCGACTCTGCCCTGCACAGGATTGTGGA
 GATCGTAGACGCCATCACCACCAGGCTCAGAGCCACCAGAGGACGTTTGTGTTAGAAGTATGGGCCGC
 CACTGTGGATACCTGGCCCTTGTACCTCTCTGTCTGTGGGGCCGACTGGGTTTTATTCTGAGTGTCT
 CGCCAGACGATGACTGGGAAGAACACCTTTGTCGCCGGCTCAGTGAGACAAGGACCCGTGGCTCTCGTCT
 CAACATCATATTGTTGCTGAAGGTGCCATCGACAAGAACGGGAAGCCAATCACCTCAGAAGACATCAAG
 AACCTGGTGGTGAAGCGCCTTGATATGACACCCGGTCACTGTTCTGGGACATGTACAGCGGGTGGGA
 CACCATCAGCCTTTGACCGGATCCTGGGCAGCAGGATGGGTGTGGAAGCAGTGTGGCACTTTTGGAGGG
 GACCCAGACACCCAGCCTGTGTGGTGAAGCCTCTCTGGTAACCAGGCTGTGCGTTTCCCTCATGGAG
 TCGTGCAGGTGACCAAGACGTGACCAAGGCTATGGATGAGAAGAGATTGATGAAGCCATTAAGCTGA
 GGGCCGGAGCTTCATGAACAACCTGGGAGGTATACAAGCTTCTAGCTCATGTCAGACCCCAAGTCTCTAA
 GGGTGGGTTGCACACAGTGGCCGTGATGAATGTGGGGGCCAGCTGCTGGCATGAATGCCGCTGTTCCGC
 TCTACCGTGAGGATTGGCCTTATCCAGGCAACCGGGTGTGGTGTACATGATGGCTTTGAGGGTCTGG
 CCAAAGGTGAGATTGAGGAGGCTGGCTGGAGCTATGTTGGAGGCTGGACTGGTCAAGGTGGTTCCAACT
 TGGTACTAAAAGGACTCTCCCAAGAAGAACCTGGAACAGATCAGTGCCAACATAACCAAGTTAACATC
 CAGGGCCTTGTATCATTGGGGCTTTGAGGCTTACACAGGGGCTTGGAGCTGATGGAAGGCAGGAAGC
 AGTTTGTGAGCTCTGCATCCCCTTTGTGGTCACTCCGGCCACGGTTTCCAATAACGTCCCTGGGTGAGA
 CTTGAGCATCGGGCTGACACAGCACTGAACACCATCTGCACGACTTGTGACCGAATCAAGCAGTCTGCA
 GCAGGCACCAACGTGGGTGTTTATCATCGAGACTATGGGTGGCTACTGTGGCTACCTGGCCACCATGG
 CAGGGCTGGCCGCTGGGGCTGATGCTGCCTACATTTTGGAGAACCCCTCACCATTCGCGATCTCCAGGT
 GAATGTTGAACATCTGGTGCAGAAGATGAAAACAACCTGTGAAGAGAGGCCTGGTGTGAGGAATGAGAAA
 TGCAATGAGAATACTACTACTGACTTCAATTTTCAACCTGTACTCTGAGGAGGGGAAGGGCATCTTTGATA
 GCAGGAAGAACGTGCTTGGCCACATGCAGCAGGGTGGAAAGCCCAACTCCCTTTGACAGGAATTTGCCAC
 TAAGATGGGTGCTAAGGCTATGAACTGGATGTCTGGGAAAATCAAGGAGAGTTACCGTAATGGACGGATC
 TTTGCCAACACCCTGACTCAGGCTGCGTTCTGGGGATGCGTAAGAGGGCCCTGGTCTTTCAGCCAGTAA
 CTGAGCTGAAGGACCAGACAGACTTTGAACACCGAATCCCAAGAAGCAGTGGTGGCTGAAGCTGAGGCC
 AATCCTCAAATCCTAGCCAAGTACGAGATTGATCTGGACACCTCCGACCACGCCACCTGGAGCACATT
 TCAAGGAAACGGTCTGGAGAAGCCGCCGT**AG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
 ACCN: NM_021514
 Insert Size: 2343 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_021514.4 , NP_067489.3
RefSeq Size:	2847 bp
RefSeq ORF:	2343 bp
Locus ID:	18642
UniProt ID:	P47857
Cytogenetics:	15 F1
Gene Summary:	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 (2) differs in the 5' UTR compared to variant 1. Variants 1, 2, 3 and 4 encode the same protein.