

Product datasheet for **MC221544**

Pfkp (NM_019703) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pfkp (NM_019703) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pfkp
Synonyms:	1200015H23Rik; 9330125N24Rik; ATP-PFK; PFK-C; PFK-P
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC221544 representing NM_019703
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGTGACTTGGATTCTTCGAGCTCCAGCGCCTATCCGAAGTACCTGGAGCACCTCTCTGGGGATGGCA
 AAGCTATCGGTGTCTGACCAGCGCGGGGATGCCCAAGGCATGAATGCTGCTGTCCGCGCTGTGGTGCG
 CATGGGAATCTACACGGGGGCCAAAGTGTACTTTATATATGAGGGTTACCAAGGCTTGGTGGATGGAGGC
 TCCAATATTGTGGAAGCCAAATGGGACTGTGTCTCCAGCATTCTGCAAGTGGGTGGGACCATCATCGGTA
 GTGCGCGCTGCAAAGCCTTTCGAAGCCGTGAAGGGCGCCTGAAAGCTGCCTGTAACCTGGCGCGCTTGGG
 CATAACCAATCTGTGCGTGATCGGCGGGGACGGAAGTCTCACGGGAGCCAACTCTCCGAAAGGAGTGG
 AGCGGACTTCTGGAAGAGCTGGCTCGGAATGGTGATATCGATAACGACACAGTGCAGAAGTATTCCTACC
 TCAACGTGGTGGGTATGGTGGGCTCCATTGACAATGACTTCTGTGGCACAGACATGACCATTGGTACAGA
 TTCAGCCCTGCACCGAATTATTGAAGTTGTTGATGCCATCATGACCACTGCTCAGAGCCACCAGAGGACC
 TTCGTCCTGGAGGTGATGGGGAGACACTGTGGTACTTGGCCTTGGTGAGCGCCTTGACTTGCGGTGCCG
 ACTGGGTGTTCTTCCGGAGTCTCCACCTGAGGAAGATTGGGAGGAAAATATGTGCCTCAAACCTCTCAGA
 GAACCGAGCCCGAAAAAGAGGCTGAATATCATCATTGTGTCTGAAGGAGCAATCGACATGCAAAAATAAG
 CCAATCACCTCTGAGAAAATCAAGGAGCTTGTAGTGAAGAATTTGGGATTTGACACCCGGGTACCATCC
 TTGGGCATGTCCAACGAGGAGGGACCCCATCTGCATTTGACAGGATTTTGGCCAGCCGTATGGGAGTGG
 GGCTGTCAATGCCTTGTGGAAGCTACCCCGAGACCCAGCCTGTGTGCTGCTACTAAGAGGAAACCAA
 GCAGTGCCTGCCACTGATGGAGTGTGTGCAAATGACCCAGGATGTACAGAAGGCAATGGATGAAAGAA
 GATTTAAGGAAGCCGTGAAACTCCGAGGAAGCGTTTTGAGGAAACCTGAACACCTATAAGCGTCTTGC
 CATTAAACTGCCTGATGAGAAGATTGTCAAGAGCAACTGCAATGTAGCCGTATCAATGTAGGGGCACCT
 GCTGCCGAATGAATGCAGCCGTGCGCTCTGCTGTTTCGAGTCCGGATTGCAGACGGCCACAAAGTGTG
 CAATCTATGACGGCTTTGAAGGATTGCGCAATGGCCAAATCAAAGAAATCGGCTGGGCAGATGTCGGAGG
 CTGGACTGGACAAGGAGGTCCATTCTTGGGACAAAACGCACCCTACCTGGAAAGTACTTGGAGAAGATC
 GCAGAGCAGATGCATTCCCATAGTATCAATGCCCTTCTGATCATTGGAGGATTTGAGGCCTACCTAGGAC
 TCCTAGAGCTGGCAGCTGCCGGGAGAAACATGAGGCGTCTGTGTCCCATGGTTATGGTTCCTGCTAC
 TGTCTCCAACAATGTGCCGGTTCGGATTCAGCATCGGGGCAGACACAGCTCTGAACACTATCACAGAC
 ACGTGCAGCCGATTAACAGTACGCCAGTGGGACCAAGCGCCGGTGTTCATCATTGAGACCATGGGTG
 GATACTGTGGCTACCTGGCCAACATGGGGCCCTTGCAGCAGGAGCTGATGCTGCCTACATCTTTGAAGA
 GCCATTTGATATCGGAGATTTGCAGTCCAACGTGCTGCACTTGACAGAGAAAATGAAGACCAGCATCCAG
 AGGGCCCTCGTACTCAGAAACGAAAGCTGCAGTGTAAATTATACCACTGACTTACTCTACCAGCTTACT
 CAGAGGAGGGCAAAGGAGTGTGTTGACTGCAGGAAAAACGTGCTGGGCCATATGCAGCAGGGGGGAGCACC
 GTCTCCATTGATAGGAACTTTGGAACCAAGATTTCTGCCAAAGCAATGGAGTGGATCTCGGCCAAACTG
 AAGGGTCCCAGGGCACAGGGAAAAATTTGTTAGCGATGATTCCATTTGTCTGGGAATTTGCAAGA
 GAGATCTCCTGTTCAACCAGTGGCAGAGCTGAAGAAAGTCACTGACTTTGAGCACAGGATCCCCAAGGA
 GCAGTGGTGGCTGAAACTGCGGCCCATCATGAAGATCTTGCCCAAGTATGAGGCGAGCTATGACATGTCT
 GATTCAGGCAAGCTGGAGTCCTTGACGACCCATGAAGAACT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_019703
Insert Size: 2355 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_019703.4 , NP_062677.1
RefSeq Size:	4033 bp
RefSeq ORF:	2355 bp
Locus ID:	56421
UniProt ID:	Q9WUA3
Cytogenetics:	13 A1
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 (1) encodes isoform 1.