

Product datasheet for **MC228930**

Pfkp (NM_001291071) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pfkp (NM_001291071) 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: >MC228930 representing NM_001291071
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGTGACTTGGATTCTTCGAGCTCCAGCGCCTATCCGAAGTACCTGGAGCACCTCTCTGGGGATGGCA
 AAGCTATCGGTGTCTGACCAGCGCGGGGATGCCAAGGCATGAATGCTGCTGTCCGCGCTGTGGTGCG
 CATGGGAATCTACACGGGGGCCAAAGTGTACTTTATATATGAGGGTTACCAAGGCTTGGTGGATGGAGGC
 TCCAATATTGTGGAAGCCAAATGGGACTGTGTCTCCAGCATTCTGCAAGTGGGTGGGACCATCATCGGTA
 GTGCGCGCTGCAAAGCCTTTCGAAGCCGTGAAGGGCGCCTGAAAGCTGCCTGTAACCTGGCGCGCTTGGG
 CATAACCAATCTGTGCGTGATCGGCGGGGACGGAAGTCTCACGGGAGCCAACTCTCCGAAAGGAGTGG
 AGCGGACTTCTGGAAGAGCTGGCTCGGAATGGTGATATCGATAACGACACAGTGCAGAAGTATTCCTACC
 TCAACGTGGTGGGTATGGTGGGCTCCATTGACAATGACTTCTGTGGCACAGACATGACCATTGGTACAGA
 TTCAGCCCTGCACCGAATTATTGAAGTTGTTGATGCCATCATGACCACTGCTCAGAGCCACCAGAGGACC
 TTCGTCCTGGAGGTGATGGGGAGACACTGTGGTACTTGGCCTTGGTGAGCGCCTTGACTTGCGGTGCCG
 ACTGGGTGTTCTTCCGGAGTCTCCACCTGAGGAAGATTGGGAGGAAAATATGTGCCTCAAACCTCTCAGA
 GAACCGAGCCCGAAAAAGAGGCTGAATATCATCATTGTGTCTGAAGGAGCAATCGACATGCAAAAATAAG
 CCAATCACCTCTGAGAAAATCAAGGAGCTTGTAGTGAAGAATTTGGGATTTGACACCCGGGTACCATCC
 TTGGGCATGTCCAACGAGGAGGGACCCCATCTGCATTTGACAGGATTTTGGCCAGCCGTATGGGAGTGGAA
 GGCTGTCAATGCCTTGTGGAAGCTACCCCGAGACCCAGCCTGTGTGCTACTAAGAGGAAACCAA
 GCAGTGCCTGCCACTGATGGAGTGTGTGCAAATGACCCAGGATGTACAGAAGGCAATGGATGAAAGAA
 GATTTAAGGAAGCCGTGAAAACCTCGAGGAAGCGTTTTGAGGAAAACCTGAACACCTATAAGCGTCTTGC
 CATTAAACTGCCTGATGAGAAGATTGTCAAGAGCAACTGCAATGTAGCCGTCATCAATGTAGGGGCACCT
 GCTGCCGAATGAATGCAGCCGTGCGCTCTGCTGTTTCGAGTCCGGATTGCAGACGCCACAGATGTTTG
 CAATCTATGACGGCTTTGAAGGATTCGCAATGGCCAAATCAAAGAAATCGGCTGGGCAGATGTCGGAGG
 CTGGACTGGACAAGGAGGTCCATTCTTGGGACAAAACGCACCCTACCTGGAAAGTACTTGGAGAAGATC
 GCAGAGCAGATGCATTCCCATAGTATCAATGCCCTTCTGATCATTGGAGGATTTGAGGGTTATCATGGTG
 CCATCATGCTATCTGAGGCTCGAAACAACCATGAGGAGTTTTGTATCCCAATATGTGTTTTGCCTGCCAC
 TATTAGCAACGATATCCCTGGCTCAGACATCAGTATCGGTTGTGATACTGCCCTGAATGTGATTGTCGAG
 ACGTGCACCCGATTAACAGTCAAGCAGTGGGACCAAGCGCCGGTGTTCATCATTGAGACCATGGGTG
 GATACTGTGGCTACCTGGCCAACATGGGGCCCTTGCAGCAGGAGCTGATGCTGCCTACATCTTTGAAGA
 GCCATTTGATATCGGAGATTTGCAGTCCAACGTGCTGCACTTGACAGAGAAAATGAAGACCAGCATCCAG
 AGGGCCCTCGTACTCAGAAACGAAAGCTGCAGTGTAAATTATACCACTGACTTACTCTACCAGCTTACT
 CAGAGGAGGGCAAAGGAGTGTGTTGACTGCAGGAAAAACGTGCTGGGCCATATGCAGCAGGGGGGAGCACC
 GTCTCCATTGATAGGAACTTTGGAACCAAGATTTCTGCCAAAGCAATGGAGTGGATCTCGGCCAAACTG
 AAGGGTCCCAGGGCACAGGGAAAAAATTTGTTAGCGATGATTCCATTTGTGCTGGGAATTTGCAAGA
 GAGATCTCCTGTTCAACCAGTGGCAGAGCTGAAGAAAGTCACTGACTTTGAGCACAGGATCCCCAAGGA
 GCAGTGGTGGCTGAAACTGCGGCCCATCATGAAGATCTTGGCCAAGTATGAGGCGAGCTATGACATGTCT
 GATTCAGGCAAGCTGGAGTCTTGCAGCACCATGAAGAACT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001291071
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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001291071.1, NP_001278000.1</u>
RefSeq Size:	4033 bp
RefSeq ORF:	2355 bp
Locus ID:	56421
UniProt ID:	<u>Q9WUA3</u>
Cytogenetics:	13 A1
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame exon and contains an alternate in-frame exon, both in the 3' coding region, compared to variant 1. This results in isoform 2, which is of the same size, but includes a different internal in-frame segment, compared to isoform 1.</p>