

Product datasheet for **RN208472**

Pfkm (NM_031715) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pfkm (NM_031715) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pfkm
Synonyms:	ATP-PFK; PFK-A; Pfk-M
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN208472 representing NM_031715
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGACCCATGAAGAGCATCATGAAGCCAAAACCCTGGGGATCGGCAAGGCCATCGCCGTGTGACCTCTG
 GTGGAGATGCCCAAGGTATGAATGCTACGGTCAGGGCTGTGGTACGAGTTGGCATCTTACCGGGCTCCG
 CGTCTTCTTTGTCCATGAGGGTTACCAAGGCCTGGTGGATGGTGGAGAGCACATCAGGGAGGCCACCTGG
 GAGAGCGTGTCCATGATGCTCCAGCTGGGAGGCACGGTATTGGAAGTCCCGATGCAAGGACTTCCGGG
 AGCGAGAAGGACGACTCCGAGCTGCCACAACCTGGTGAAGCGGGGGATACCAATCTGTGTGCATCGG
 AGGCGATGGCAGCCTCACTGGGGCTGACACTTTTCGTTCCAGAGTGGAGTGACTTATTGAATGACCTCCAG
 AAAGATGGGAAGATCACAGCCGAGGAGCGTACAAAGTCCAGCTACCTGAACATCGTTTTCTGGTTGGCT
 CAATCGACAATGACTTCTGTGGCACTGATATGACCATTGGTACTGACTCTGCCCTGCACCGCATTGTAGA
 GATCGTGGACGCCATCACCACCAGCGCTCAGAGCCACCAGAGGACATTTGTGTTAGAAGTATGGGCCGC
 CACTGTGGATACCTGGCCCTTGTACCTCTCTGTCGTGTGGGGCCGACTGGGTTTTTCATCCCGAGTGTC
 CGCCAGATGACGACTGGGAAGAACACCTTTGTCGCCGTCTCAGTGAGACAAGAACCCTGGTTCTCGTCT
 CAACATCATATTGTTGCTGAGGGTCAAATCGACAAAAACGGGAAGCCAATCACCTCAGAAGACATCAAG
 AACCTGGTGGTAAAGCGTCTTGATATGATACCAGGGTCACTGTTCTGGGACATGTACAGAGGGGTGGGA
 CACCATCAGCCTTTGACCGGATCCTGGGACGAGGATGGGTGTGGAAGCAGTGTGGCACTTTTGGAGGG
 GACCCAGACACCCAGCCTGTGTGGTGAAGCTCTCTGTAATACGGCTGTGGCCTGCCCTCATGGAG
 TGTGTCCAGGTGACCAAGACGTGACCAAGGATATGATGAGAAGAGATTGATGAAGCCATTAAGCTGA
 GAGGCCGAGCTTCATGAACAACCTGGGAGGTATACAAGCTTCTAGCTCATGTCAGACCCCCAGCTCTAA
 GGGCGGGTTGCACACGGTGGCTGTGATGAACGTGGGGGCCCCAGCTGCTGGAATGAATGCTGCAGTTCCG
 TCTACTGTGAGGATTGGCCTTATCCAAGGCAACCGAGTGTGGTGTGCATGATGGCTTTGAGGGTCTGG
 CCAAAGGTGAGATTGAGGAAGCTGGCTGGAGCTATGTTGGAGGCTGGACTGGTCAAGGTGGTTCCAACT
 TGGTACTAAAAGGACTCTACCAAGAAGAACCTGGAACAGATCAGTGCCAACATAACCAAGTATAACATC
 CAGGGCCTGGTTATCATTGGGGCTTTGAGGCTTACACAGGGGCTTGGAGCTGATGGAGGGCAGGAAGC
 AGTTTGATGAGCTCTGCATCCCATTGTGGTCACTCCCGCCAGGTTTCCAATAATGTCCAGGGTCTGCA
 CTTGAGCATCGGGCTGACACAGCACTGAACACCATCTGCACGACCTGTGACCGAATCAAGCAGTCTGCA
 GCAGGCACCAAGCGGCGAGTGTATCATCGAGACGATGGGTGGTACTGTGGCTATCTGGCCACCATGG
 CAGGACTGGCGGCTGGGGCTGATGCTGCCTACATTTTGGAGAGCCCTTACCATCCGAGATCTCCAGGT
 TAATGTTGAACATCTGGTGCAGAAGATGAAAAAAGTGTGAAGAGAGGCCCTGGTGTGAGGAATGAGAAG
 TGCAACGAGAAGTACACTACTGATTTTCACTTTTCAACCTGTACTCTGAGGAGGGGAAGGGCATCTTCGACA
 GCAGGAAGAAGCTGCTTGGCCACATGCAGCAGGGTGGAAACCAACTCCCTTTGACAGGAATTTGCCAC
 CAAGATGGGTGCTAAGGCTACGAATGGATGTCTGGGAAAATCAAAGAGAGTTACCGTAATGGACGGATC
 TTTGCCAACACTCCCGACTCAGGTTGTGTTCTGGGGATGCGTAAGAGGGCCCTGGTCTTTCAGCCAGTGA
 CTGAGCTGAAGGACCAGACAGATTTTGGACCCGAATCCCAAAGAAGTGGTGGCTGAAGCTGAGGCC
 AATCCTCAAATCCTGGCCAAGTACGAGATTGATCTGGACACCTCTGACCACGCCACCTGGAGCACATT
 TCCAGGAAGCGGCTGGAGAAGCTGCTGT**AG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
 ACCN: NM_031715
 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_031715.1 , NP_113903.1
RefSeq Size:	2757 bp
RefSeq ORF:	2343 bp
Locus ID:	65152
UniProt ID:	P47858
Cytogenetics:	7q36
Gene Summary:	phosphofructokinase isozyme A; may regulate glycolytic flux and influence insulin secretion [RGD, Feb 2006]