

## Product datasheet for **RR208472**

### **Pfkm (NM\_031715) Rat Tagged ORF Clone**

#### **Product data:**

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



[View online »](#)

ORF Nucleotide  
Sequence:

>RR208472 representing NM\_031715  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGACCCATGAAGAGCATCATGAAGCCAAAACCTGGGGATCGGCAAGGCCATCGCCGTGTGACCTCTG  
 GTGGAGATGCCCAAGGTATGAATGCTACGGTCAGGGCTGTGGTACGAGTTGGCATCTTACCGGGCTCCG  
 CGTCTTCTTTGTCCATGAGGGTTACCAAGGCTGGTGGATGGTGGAGAGCACATCAGGGAGGCCACCTGG  
 GAGAGCGTGTCCATGATGCTCCAGCTGGGAGGCACGGTATTGGAAGTCCCGATGCAAGGACTCCGGG  
 AGCGAGAAGGACGACTCCGAGCTGCCACAACCTGGTGAAGCGGGGGATACCAATCTGTGTGCATCGG  
 AGGCGATGGCAGCCTCACTGGGGCTGACACTTTTCGTTCCAGAGTGGAGTGACTTATTGAATGACCTCCAG  
 AAAGATGGGAAGATCACAGCCGAGGAGCGTACAAAGTCCAGCTACCTGAACATCGTTTTCTGGTTGGCT  
 CAATCGACAATGACTTCTGTGGCACTGATATGACCATTGGTACTGACTCTGCCCTGCACCGCATTGTAGA  
 GATCGTGGACGCCATCACCACCAGCGCTCAGAGCCACCAGAGGACATTTGTGTTAGAAGTATGGGCCGC  
 CACTGTGGATACCTGGCCCTTGTCACTCTCTGTCGTGTGGGGCCGACTGGGTTTTTCATTCCCGAGTGTC  
 CGCCAGATGACGACTGGGAAGAACACCTTTGTCGCCGTCTCAGTGAGACAAGAACCCTGGTTCTCGTCT  
 CAACATCATATTGTTGCTGAGGGTGAATCGACAAAAACGGGAAGCCAATCACCTCAGAAGACATCAAG  
 AACCTGGTGGTAAAGCGTCTTGATATGATACCAGGGTCACTGTTCTGGGACATGTACAGAGGGGTGGGA  
 CACCATCAGCCTTTGACCGGATCCTGGGACGAGGATGGGTGTGGAAGCAGTGATGGCACTTTTGGAGGG  
 GACCCAGACACCCAGCCTGTGTGGTGAAGCTCTCTGGTAATACGGCTGTGCGCCTGCCCTCATGGAG  
 TGTGTCCAGGTGACCAAGACGTGACCAAGGCTATGGATGAGAAGAGATTGATGAAGCCATTAAGCTGA  
 GAGGCCGAGCTTCATGAACAACCTGGGAGGTATACAAGCTTCTAGCTCATGTCAGACCCCCAGCTCTAA  
 GGGCGGGTTGCACACGGTGGCTGTGATGAACGTGGGGGCCAGCTGCTGGAATGAATGCTGCAGTTTCGC  
 TCTACTGTGAGGATTGGCCTTATCCAAGGCAACCGAGTGTGGTGTGATGATGGCTTTGAGGGTCTGG  
 CCAAAGGTGAGATTGAGGAAGCTGGCTGGAGCTATGTTGGAGGCTGGACTGGTCAAGGTGGTTCCAACT  
 TGGTACTAAAAGGACTCTACCAAGAAGAACCTGGAACAGATCAGTGCCAACATAACCAAGTATAACATC  
 CAGGGCTGGTTATCATTGGGGCTTTGAGGCTTACACAGGGGCTTGGAGCTGATGGAGGGCAGGAAGC  
 AGTTTGATGAGCTCTGCATCCCATTGTGGTCACTCCCGCCACGGTTTCCAATAATGTCCAGGGTCTGAG  
 CTTGAGCTCGGGCTGACACAGCACTGAACACCATCTGCACGACCTGTGACCGAATCAAGCAGTCTGCA  
 GCAGGCACCAAGCGGCGAGTGTATCATCGAGACGATGGTGGTACTGTGGCTATCTGGCCACCATGG  
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 TAATGTTGAACATCTGGTGCAGAAGATGAAAAAAGTGTGAAGAGAGGCCTGGTGTGAGGAATGAGAAG  
 TGCAACGAGAAGTACACTACTGATTTTCACTTCACTGTACTCTGAGGAGGGGAAGGGCATCTTCGACA  
 GCAGGAAGAAGCTGCTTGGCCACATGCAGCAGGGTGGAAACCAACTCCCTTTGACAGGAATTTGCCAC  
 CAAGATGGGTGCTAAGGCTACGAATGGATGTCTGGGAAAATCAAAGAGAGTTACCGTAATGGACGGATC  
 TTTGCCAACACTCCCGACTCAGGTTGTGTTCTGGGGATGCGTAAGAGGGCCCTGGTCTTTCAGCCAGTGA  
 CTGAGCTGAAGGACCAGACAGATTTTGGCACCAGTATCCCAAGAAGCAGTGGTGGCTGAAGCTGAGGCC  
 AATCCTCAAATCCTGGCCAAGTACGAGATTGATCTGGACACCTCTGACCACGCCACCTGGAGCACATT  
 TCCAGGAAGCGGTCTGGAGAAGCTGCTGTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR208472 representing NM\_031715  
Red=Cloning site Green=Tags(s)

MTHEEHHEAKTLGIGKAI AVL TSGGDAQGMNATVRAVVRVGI FTGLRVFFVHEGYQGLVDGGEHIREATW  
ESVSMMLQLGGTVIGSARCKDFREREGRLRAAHNLV KRGITNL CVIGDGS LTGADTFRSEWSDLLNDLQ  
KDGKITAERTKSSYLNI VFLVGSIDNDFCGTDMTIGTDSALHRIVEIVDAITTTAQSHQRTFVLEVMGR  
HCGYLALV TSLSCGADWVFIPECPPDDWEEHLCRRLSETRTRGSR LNI IIVAEGAIDKNGKPITSEDIK  
NLVVKRLGYDTRVTVLGHVQRGGTPSAFDRILGSRMGVEAVMALLEGTPDTPACVVSLSGNTAVRLPLME  
CVQVTKDVTKAMDEKRFDEAIKLRGRSFMNWEVYKLLAHVRPPVSKGGLHTVAVMNVGAPAAGMNAAVR  
STVRIGLIQGNRVLVVDHGFELAKGQIEEAGWSYVGGWTGQGGSKLGTKRTL PPKNLEQI SANITKYNI  
QGLVIIGGF EAYTGGLELMEGRKQFDEL CIPFVVIPATVSNNVPGSDFSIGADTALNTICTTCDRIKQSA  
AGTKRRVFI IETMGGYCGYLATMAGLAAGADAAYIFEFPFTIRD LQVNVEHLVQKMKTTVKRGLVLRNEK  
CNENYTTDFIFNLYSEEGKGFDSRKNVLGHMQGGNPTPFDRNFATKMGAKATNWM SGIKESYRNGRI  
FANTPDSGCVLGMRKRALVFQPVELKDQTD FEHRIPKEQWLLKLRPILKILAKYEIDLDTSDHAHLEHI  
SRKRSGEAAV

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM\_031715

ORF Size: 2340 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:**

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

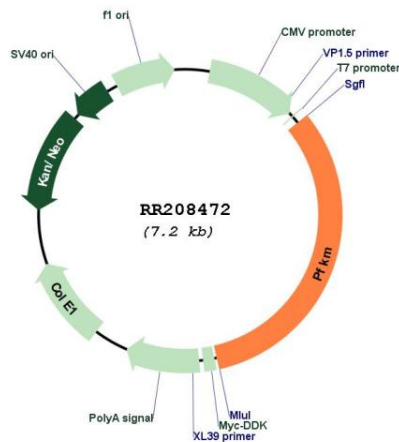
**UniProt ID:** [P47858](#)

**Cytogenetics:** 7q36

**MW:** 85.6 kDa

**Gene Summary:** phosphofructokinase isozyme A; may regulate glycolytic flux and influence insulin secretion [RGD, Feb 2006]

**Product images:**



Circular map for RR208472