

## Product datasheet for **MR218288**

### **Pfkfb1 (NM\_008824) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pfkfb1 (NM_008824) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pfkfb1
Synonyms:	PFK/FBPase 1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR218288 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGAAGAAAAAGCCTCTAAGAGAGCAGCCTCCATACCACAGTTCACATAATCCCCACAATGGTGATCA  
 TGGTGGGTTTACCAGCTCGAGGCAAGACCTACATCTCTACGAAGCTCACACGCTATCTCAACTGGATAGG  
 AACACCGACTAAAGTGTTAATTTAGGTCAGTATCGACGAGAGGCAAGTACAGGAAGTATGAATTC  
 TTTGCGCCAGACAACATGGAGGCCCAACTATCAGGAAGCAGTGTCTAGCAGCCCTAAAGGATGTCC  
 ATAAGTATCTCAGCCGTGAGGAAGTACGTTGCGGTTTTGATGCCACCAACACTACCAGAGAACGACG  
 ATCATTGATTCTGCAGTTTGTAAAGAACATGGTTACAAGGTCTCTTTATTGAGTCTATTTGTAATGAC  
 CCAGACATCATTGCAGAAAACATCAAGCAAGTAAACTCGGCAGTCTGATTACATAGACTGTGACCAAG  
 AAAAGTTTTAGAAGACTTTCTAAAGAGAATTGAGTGCTATGAGATCAACTACCAGCCTTTGGATGAGGA  
 ATTGACAGCCACCTGTCTACATCAAGATCTTCGATGTGGGCACACGCTACATGGTAAATCGAGTGCAA  
 GACCACGTTCAAAGCCGTACAGCCTACTACCTCATGAACATCCATGTACACCTCGATCTATCTACCTAT  
 GCCGACATGGTGAGAGTAACTCAACCTTAGAGGCCCGATTGGAGGTGACTCTGGCCTCTCAGCTCGGGG  
 CAAGCAGTATGCCTATGCCCTGGCCAATTCATTCGGTCTCAAAGCATCAGCTCCCTGAAGGTGTGGACT  
 AGCCACATGAAGAGGACCATTGACAGAGCTGAAGCCCTAGGCGTCCCCTATGAACAGTGAAGGCCCTGA  
 ATGAGATTGATGCGGGTGTCTGTGAAGAGATGACTTATGAAGAAATTCAGGAACACTACCCTGAAGAATT  
 TGCACACGGGACAGGATAAATATCGTTACCGCTATCCCAAGGGAGAGTCTATGAGGATCTGGTTCAG  
 CGTCTTGAGCCAGTTATAATGGAGCTAGAACGGCAAGAAAATGTACTGGTATCTGTACCAGGCTGTCA  
 TGCCGGTCCCTTAGCATACTTCTGGATAAAAGTTTCAGATGAGCTGCCCTATCTCAAGTCTCCTGTGCA  
 TACAGTGCTCAAACCTCACACCTGTGGCTTATGGCTGCAGAGTGGAGTCCATCTACCTGAATGTGGAGGCT  
 GTGAACACACACCGGGACAAGCCTGAGAATGTGGACATCACCCGTGAACCTGAGGAAGCCCTGGACACTG  
 TCCTGCCATTAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR218288 protein sequence  
 Red=Cloning site Green=Tags(s)

MEEKASKRAASIPQFTNSPTMIMVGLPARGKTYISTKLTRYLNWIGTPTKVFNLGQYRREAVSYRNYEF  
 FRPDNMEAQLIRKQCALAALKDVHKYLSREEGHVAVFDATNTTRERRSLILQFAKEHGYKVFVIESICND  
 PDIIAENIKQVKLGSPDYIDCDQEKVLEDFLKRIECYEINYQPLDEELDLSLSYIKIFDVGTRYMNVNRVQ  
 DHVQSRATAYYLMNIHVTPRSIYLCRHGESELNLRGRIGGDSGLSARGKQYAYALANFIRSQSISSLKVVW  
 SHMKRTIQTAELGVPYEQWKALNEIDAGVCEEMTYEEIQEHYPEEFALRDQDKYRYRYPKGESYEDLVQ  
 RLEPVI MELERQENVLVI CHQAVMRCLL AYFLDKSSDEL PYLKCPLHTVLK LTPVAYGCRVESIYLNVEA  
 VNTHRDKPENVDITREPEEALDTPAHY

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_008824

**ORF Size:** 1347 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\\_008824.1](#), [NM\\_008824.2](#), [NM\\_008824.3](#), [NP\\_032850.1](#)

**RefSeq Size:** 1753 bp

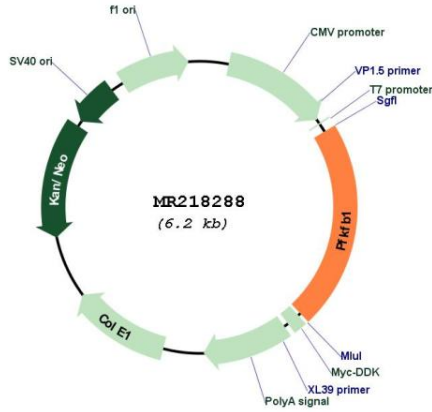
**RefSeq ORF:** 1347 bp

**Locus ID:** 18639

**UniProt ID:** [P70266](#)

**Cytogenetics:** X F3  
**MW:** 52.1 kDa  
**Gene Summary:** Synthesis and degradation of fructose 2,6-bisphosphate.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR218288