

## Product datasheet for **MR227644**

### **Pfkfb3 (NM\_001177758) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pfkfb3 (NM_001177758) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pfkfb3
Synonyms:	E330010H22Rik; iPFK-2; uPFK-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR227644 representing NM\_001177758  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGCCCTTCAGGAAAGCCTGTGGCCGAAGCTGACCAACTCCCCAACCGTATTGTGATGGTGGGGCTCC  
 CAGCCCGGGTAAGACTTACATCTCCAAGAAGCTGACTCGCTACCTCAACTGGATAGGTGTTCCAACGAA  
 AGTGTTCAATGTGGGAGAGTATCGGCGTGAGGCTGTGAAGCAGTACAGCTTTACAACTTCTCCGCCCT  
 GACAATGAGGAAGCCATGAGAGTCCGAAAACAGTGTGCCTTAGCTGCCCTGAGAGATGTCAAAGCTACC  
 TGACAAAGGAAGGTGGACAGATTGCAGTTTTTGTGCCACCAATACAAGTACGAGAAAGAGGCACATGAT  
 CCTAATTTTCCAAAGAAAATGACTTCAAGGCATTTTTTTCATCGAGTCGGTCTGTGACGACCCTACTGTT  
 GTGGCCTCCAACATCATGGAAGTAAAACTCCAGCCCGATTACAAAGACTGCAACTCAGCAGAAGCCA  
 TGGACGACTTCATGAAGAGAATCAATTGCTATGAAGCCAGCTACCAGCCTTTGACCCTGATAAATGTGA  
 CAGGGACTTGTCACTCATCAAAGTGATTGATGTTGGCCGGAGGTTCTTGGTGAACAGAGTGCAGGACCAC  
 ATCCAGAGCCGAATTGTATACTACCTGATGAACATCCACGTGCAGCCCGTACCATCTACCTGTGTCCGGC  
 ATGGCGAGAATGAGTACAACCTTGACAGGGCAAGATTGGGGCGACTCAGGCTTGCCAGCAGAGGCAAGAA  
 GTTCGCCAATGCCCTGAGCAAGTTCGTAGAAGAACAGAATCTGAAGGACCTCCGTGTGTGGACCAGCCAG  
 CTGAAAAGTACCATTAGACCCGCGGAGGCCCTGAGGCTCCCTACGAGCAGTGAAGGCACTCAACGAGA  
 TCGATGCTGGTGTGTGTGAGGAATAACCTATGAGGAGATCAGAGATACCTACCTGAGGAGTACGCACT  
 GCGTGAACAGGACAAGTACTACTATCGCTATCCCAGGGAGAGTCCACCAGGATCTTGTCCAACGCCTG  
 GAGCCTGTGATCATGGAATTAGAGCGCCAAGAGAATGTATTGGTCATCTGTCACCAGGCTGTTCTACGCT  
 GCCTACTAGCCTACTTCTCGACAAGAGTGCAGAGGAGATGCCATACCTGAAATGTCCGCTCCACTGT  
 CCTGAAAACCTGACACCTGTGGCATATGGGTGCCGGTGGAGTCCATTTACTTGAATGTAGAATCGGTGAGC  
 ACACACCGGGAGAGGTCAGAGGATGCAAAGAAGGGACCTAACCCGCTCATGAGACGCAATAGTGTACCC  
 CACTAGCCAGTCCCGAGCCACCAAAAAGCCTCGCATCAACAGCTTTGAGGAGCGTGTGGCTTCCACTTC  
 TGCTGCCCTGCCAAGCTGCCTGCCCCCGAAGTGCCACGCAGCTGCCCGGACAAAACATGAAGAGCTCC  
 CGGAGCGGTGCCGACTCTCCAGAAGCAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR227644 representing NM\_001177758  
 Red=Cloning site Green=Tags(s)

MPFRKACGPKLTNSPTVIMVGLPARGKTYISKLLTRYLNWIGVPTKVFNVGEYRREAVKQYSSYNFFRP  
 DNEEAMRVRKQCALAALRDVKSYLEKEGGQIAVFDATNTTRERRHMILNFAKENDFKAFFIESVCDPTV  
 VASNIMEVKISSPDYKDCNSAEAMDDFMKRINCYEASYQPLDPDKCDRDLSLIKVIDVGRRFLVNRVQDH  
 IQSRIVYYLMNIHVQPRTIYLCRHGENEYNLQKIGGDSGLSSRGKFFANALSKFVEEQNLKDLRVWTSQ  
 LKSTIQTAEALRLPYEQWKALNEIDAGVCEELTYEEIRDTYPEEYALREQDKYYRYPTGESYQDLVQRL  
 EPVIMELERQENLVICHQAVLRCLLAYFLDKSAEEMPYLKCPHVLKLTVPVAYGCRVESIYLNVESVS  
 THRERSEDAKKGNPLMRRNSVTPLASPEPTKKPRINSFEERVASTSAALPSCLPPEVPTQLPGQNMKSS  
 RSGADSSQKH

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**ACCN:** NM\_001177758

**ORF Size:** 1500 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\\_001177758.1](#), [NP\\_001171229.1](#)

**RefSeq Size:** 4680 bp

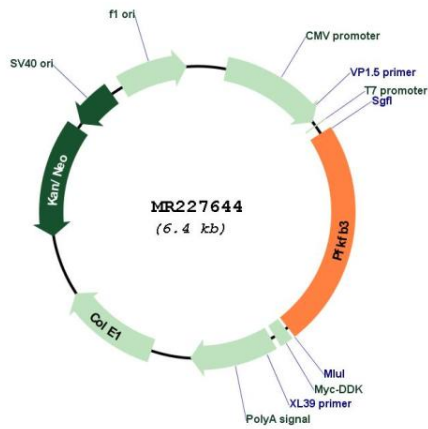
**RefSeq ORF:** 1503 bp

**Locus ID:** 170768

**Cytogenetics:** 2 A1

**MW:** 57.8 kDa

Product images:



Circular map for MR227644