

## Product datasheet for **MR227622**

### **Pfkfb3 (NM\_001177752) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pfkfb3 (NM_001177752) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pfkfb3
Synonyms:	E330010H22Rik; iPFK-2; uPFK-2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>MR227622 representing NM\_001177752  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGCCGTTGGAAGTACCCAGAGCCGGGTACAGAAGATCTGGGTGCCCGTCGATCACCGACCTCGTTGC  
 CCAGATCCTGTGGGCCGAAGCTGACCAACTCCCAACCGTGATTGTGATGGTGGGGCTCCAGCCGGGG  
 TAAGACTTACATCTCAAGAAGCTGACTCGCTACCTCAACTGGATAGGTGTTCCAACGAAAGTGTCAAT  
 GTGGGAGAGTATCGCGTGAGGCTGTGAAGCAGTACAGCTTTACAACCTCTCCGCCCTGACAATGAGG  
 AAGCCATGAGAGTCCGAAACAGTGTGCCTTAGCTGCCCTGAGAGATGTCAAAGCTACCTGACAAAGGA  
 AGGTGGACAGATTGCAGTTTTTGTGCCACCAATACAACCTAGAGAAAGAAGGCACATGATCCTTAATTTT  
 GCCAAAGAAAATGACTTCAAGGCATTTTTTCATCGAGTCGGTCTGTGACGACCCTACTGTTGTGCCCTCCA  
 ACATCATGGAAGTAAAACTCCAGCCCGGATTACAAAGACTGCAACTCAGCAGAAGCCATGGACGACTT  
 CATGAAGAGAATCAATTGCTATGAAGCCAGCTACCAGCCTTTGACCCTGATAAATGTGACAGGGACTTG  
 TCACTCATCAAAGTGATTGATGTTGGCCGGAGGTTCTTGGTGAACAGAGTGCAGGACCACATCCAGAGCC  
 GAATTGTATACTACCTGATGAACATCCAGTGCAGCCCGTACCATCTACCTGTGTGCGCATGGCGAGAA  
 TGAGTACAACCTTGAGGGCAAGATTGGGGGCGACTCAGGCTTGTCCAGCAGAGGCAAGAAGTTCGCCAAT  
 GCCCTGAGCAAGTTCGTAGAAGAACAGAATCTGAAGGACCTCCGTGTGTGGACCAGCCAGCTGAAAAGTA  
 CCATTCAGACCGCGGAGGCCCTGAGGCTCCCCTACGAGCAGTGAAGGCACTCAACGAGATCGATGCTGG  
 TGTGTGTGAGGAATAACCTATGAGGAGATCAGAGATACCTACCCTGAGGAGTACGCACTGCGTGAACAG  
 GACAAGTACTACTATCGCTATCCACCGGAGAGTCCCTACCAGGATCTTGTCCAACGCCTGGAGCCTGTGA  
 TCATGGAATTAGAGCGCCAAGAGAATGTATTGGTCATCTGTACCAGGCTGTTCTACGCTGCCTACTAGC  
 CTACTTCTCGACAAGAGTGCAGAGGAGATGCCATACCTGAAATGTCCGCTCCACACTGTCCTGAAACTG  
 ACACCTGTGCATATGGGTGCCGGTGGAGTCCATTTACTTGAATGTAGAATCGGTGAGCACACACCCGGG  
 AGAGGTCAGAGAATGAAGAGCTCCCGGAGCGGTGCCGACTCTTCCAGAAGCAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR227622 representing NM\_001177752  
 Red=Cloning site Green=Tags(s)

MPELQTQSRVQKIWVPVDHRPSLPRSCGPKLTNSPTVIVMVGLPARGKTYISKKLTRYLNWIGVPTKVFN  
 VGEYRREAVKQYSSYNFRPDNEEAMRVKQCALAALRDVKSYLEKEGGQIAVFDATNTTRERRHMILNF  
 AKENDFKAFFIESVCDPTVVASNIMEVKISSPDYKDCNSAEAMDDFMKRINCYEASYQPLDPDKCDRDL  
 SLIKVIDVGRFLVNRVQDHIQSRIVYYLMIHVQPTIYLCRHGENEYNLQKIGGDSGLSSRGKFFAN  
 ALSKFVEEQNLKDLRVWTSQKSTIQTAELRLPYEQWKALNEIDAGVCEELTYEEIRDTYPEEYALREQ  
 DKYYYYRYPTGESYQDLVQRLEPVMELERQENVLVICHQAVLRCLLAYFLDKSAEEMPYLKCPLHTVLKL  
 TPVAYGCRVESIYLNVESVSTHRERSENKSSRSGADSSQKH

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

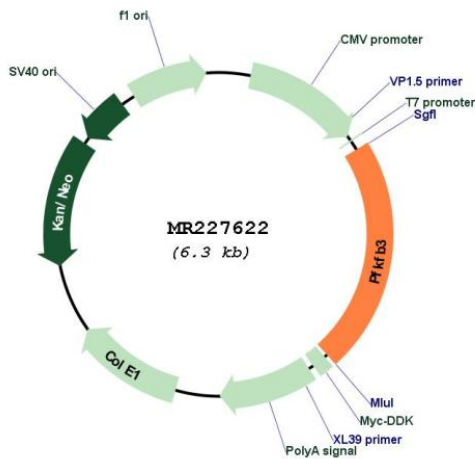
**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001177752  
 ORF Size: 1386 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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\\_001177752.1](#), [NP\\_001171223.1](#)

**RefSeq Size:** 4869 bp

**RefSeq ORF:** 1389 bp

**Locus ID:** 170768

**Cytogenetics:** 2 A1

**MW:** 53.9 kDa