

Product datasheet for **MR227638**

Pfkfb3 (NM_133232) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Pfkfb3 (NM_133232) 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:

>MR227638 representing NM_133232
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCGTTGGAAGTACCCAGAGCCGGGTACAGAAGATCTGGGTGCCCGTCGATACCGACCTCGTTGC
 CCAGATCCTGTGGGCCGAAGCTGACCAACTCCCAACCGTGATTGTGATGGTGGGGCTCCAGCCGGGG
 TAAGACTTACATCTCAAGAAGCTGACTCGCTACCTCAACTGGATAGGTGTTCCAACGAAAGTGTCAAT
 GTGGGAGAGTATCGCGTGAGGCTGTGAAGCAGTACAGCTTTACAACCTCTCCGCCCTGACAATGAGG
 AAGCCATGAGAGTCCGAAAACAGTGTGCCTTAGCTGCCCTGAGAGATGTCAAAGCTACCTGACAAAGGA
 AGGTGGACAGATTGCAGTTTTTGTGCCACCAATACAACCTAGAGAAAGAAGGCACATGATCCTTAATTTT
 GCCAAAGAAAATGACTTCAAGGCATTTTTTCATCGAGTCGGTCTGTGACGACCCTACTGTTGTGCCCTCCA
 ACATCATGGAAGTAAAACTCCAGCCCGGATTACAAAGACTGCAACTCAGCAGAAGCCATGGACGACTT
 CATGAAGAGAATCAATTGCTATGAAGCCAGCTACCAGCCTTTGACCCTGATAAATGTGACAGGGACTTG
 TCACTCATCAAAGTGATTGATGTTGGCCGGAGGTTCTTGGTGAACAGAGTGCAGGACCACATCCAGAGCC
 GAATTGTATACTACCTGATGAACATCCAGTGCAGCCCGTACCATCTACCTGTGTGCGCATGGCGAGAA
 TGAGTACAACCTTGAGGGCAAGATTGGGGGCGACTCAGGCTTGTCCAGCAGAGGCAAGAAGTTCGCCAAT
 GCCCTGAGCAAGTTCGTAGAAGAACAGAATCTGAAGGACCTCCGTGTGTGGACCAGCCAGCTGAAAAGTA
 CCATTCAGACCGCGGAGGCCCTGAGGCTCCCCTACGAGCAGTGGAAAGGCACTCAACGAGATCGATGCTGG
 TGTGTGTGAGGAACTAACCTATGAGGAGATCAGAGATACCTACCTGAGGAGTACGCACTGCGTGAACAG
 GACAAGTACTACTATCGCTATCCACGGGAGATCCTACCAGGATCTTGTCCAACGCCTGGAGCCTGTGA
 TCATGGAATTAGAGCGCCAAGAGAATGTATTGGTCATCTGTACCAGGCTGTTCTACGCTGCCTACTAGC
 CTACTTCTCGACAAGAGTGCAGAGGAGATGCCATACCTGAAATGTCCGCTCCACACTGTCTGAAACTG
 ACACCTGTGGCATATGGGTGCCGGTGGAGTCCATTTACTTGAATGTAGAATCGGTGAGCACACCCGGG
 AGAGGTGAGAGGATGCAAAGAAGGGACCTAACCCGCTCATGAGACGCAATAGTGTACCCCACTAGCCAG
 TCCCGAGCCACCAAAAAGCCTCGCATCAACAGCTTTGAGGAGCGTGTGGCTTCCACTTCTGCTGCCCTG
 CCAAGCTGCCTGCCCCGGAAAGTCCCACGAGCTGCCCGGACAAAACATGAAGAGCTCCCGAGCGGTG
 CCGACTTCCCAGAAGCAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR227638 representing NM_133232
 Red=Cloning site Green=Tags(s)

MPELELTQSRVQKIWVPVDHRPSLPRSCGPKLTNSPTVIVMVGLPARGKTYISKLLTRYLNWIGVPTKVFN
 VGEYRREAVKQYSSYNFRPDNEAMRVRKQCALAALRDVKSYLEKEGGQIAVFDATNTTRERRHMILNF
 AKENDFKAFFIESVCDPTVVASNIMEVKISSPDYKDCNSAEAMDDFMKRINCYEASYQLDPDKDRDL
 SLIKVIDVGRFRFLVNRVQDHIQSRIVYYLMNIHVQPRTIYLCRHGENEYNLQGKIGGDSGLSSRGKFFAN
 ALSKFVEEQNLKDLRVWTSQKSTIQTAELRLPYEQWKALNEIDAGVCEELTYEEIRDTYPEEYALREQ
 DKYYYRYPTGESYQDLVQRLEPVIMELERQENVLVICHQAVLRCLLAYFLDKSAEEMPYLKCPLHTVLKL
 TPVAYGCRVESIYLNVESVSTHRERSEDAKKGPNPLMRRNSVTPLASPEPTKKPRINSFEERVASTSAAL
 PSCLPPEVPTQLPGQNMKSSRSADSSQKH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_133232

ORF Size: 1560 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 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](#)

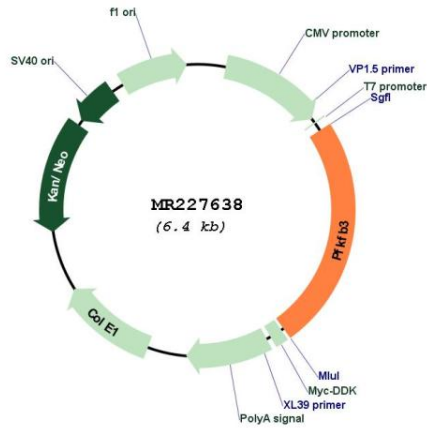
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_133232.3](#), [NP_573495.2](#)
 RefSeq Size: 5043 bp
 RefSeq ORF: 1563 bp
 Locus ID: 170768
 Cytogenetics: 2 A1
 MW: 60.1 kDa

Product images:



Circular map for MR227638