

Product datasheet for **MR216041**

Pfkfb2 (NM_001162416) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pfkfb2 (NM_001162416) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pfkfb2
Synonyms:	4930568D07Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>MR216041 representing NM_001162416
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTGAGAATAGTACATTTTCCCAAGAACTGCAACAGCAGCTATAAACCCACGCCTCAAATCTGC
 GAAGGGCAGGGAAGACATGCTCATGGGCTTCTATATGACCAACTCCCAACACTCATTGTTATGATTGG
 CTTGCCAGCCCGGGTAAAACCTTATGTGTCTAAGAACTAACACGCTACCTCAACTGGATTGGAGTACCC
 ACCAAAGTGTAACTCTGGGGTATATCGACGTGAAGCAGTCAAGTCTATCAGTCTTATGATTTCTTTC
 GACATGACAATGAAGAGGCTATGAAGATCCGCAACAGTGTGCTCTGGTGGCACTGGAAGATGTTAAAGC
 CTATTTTACTGAAGAGAGTGGCAGATTGCGGTGTTTGTGCCACCAATACCACTCGGGAGAGGAGGGAC
 ATGATTTTGAACTTTCCAAGCAGAATGCCTTCAAGGTATTTTTGTAGAATCTGTCTGTGATGATCCTG
 ATGTCATTGCTGCCAATATTCTGGAGGTAAAAGTGTGAGCCCTGACTACCCGAAAGGAATAGGGAGAA
 TGTGATGGAGACTTCTGAAGAGAATTGAGTGTACAAGTCACTTACCAGCCCTTGACCCAGACAAC
 TATGATAAGGATCTTTCTTTATAAAGGTGATAAATGTAGGCCAGAGATTCCTGGTCAACAGAGTTCAGG
 ACTACATCCAGAGTAAGATTGTCTACTACCTGATGAATATCCACGTCCATCCTCGCACCATCTACCTTTG
 CCGGCACGGCAGAGCGAGTTCAACCTTTTGGGAAGATTGGGGTGACTCTGGCCTCTCCGTGCGAGGA
 AAGCAGTTTGTCTCATGCTCTGAAGAAGTTTCTGGAGGAACAGGAGATCCAGGACCTTAAAGTGTGGACGA
 GCCAGTTGAAGAGGACAATTCAGACTGCTGAGTCTCTGGGGTGACCTATGAGCAGTGAAGATCCTCAA
 TGAGATTGATGCTGGCGTGTGTGAGGAGATGACATATTCAGAGATTGAGCAACGGTACCCAGAGGAATTT
 GCACTCCGAGATCAAGAGAAGTATCTGTACCGATACCTGGTGGGAGTCTACCAGGACCTGGTGCAGC
 GGCTGGAGCCTGTCATCATGGAGCTAGAGCGTCAAGGCAACATCCTGTTATCTCTCACCAGGCTGTCAT
 GCGCTGCCTCCTGGCCTACTTCTTGGATAAAGGCGCAGGTTGCAAAGTGGAAACAATTACTCTGAATGTG
 GATGCTGTAGACACATCGTGACAAGCCAACCTACAACCTCCCAAGAGCCAAACCCCTGTAAGGATGA
 GAAGGAACAGCTTACGCCTCTGTCCAGTTCGAACACAATAAGGCGTCCAAGAAATTACAGTGTGGGAG
 CCGACCCCTCAAGCCCTCAGCCCTCTCCGTGCTCTGGACATGCAAGAAGGGGCGGACCAGCCGAAGACC
 CAAGTCAGCATTCCGGTGGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR216041 representing NM_001162416
 Red=Cloning site Green=Tags(s)

MSENSTFSPEDCNSSYKPHASNLRRAGKTCWSASYMTNSPTLIVMIGLPARGKTYVSKLTRYLNWIGVP
 TKVFNLGYYRREAVKSYQSYDFFRHDNEEAMKIRKQCALVALEDVKAYFTEESGQIAVFDATNTTRERRD
 MILNFAKQNAFKVFFVESVCDPDVIAANILEVKVSSPDYPERNRENVMEDFLKRIEYKVTYQPLDPDN
 YDKDLSEIKVINVGQRFLVNRVQDYIQSKIVYYLMNIHVHPTIYLCRHGESEFNLLGKIGGDSGLSVRG
 KQFAHALKKFLEEQEIQDLKVWTSQLKRTIQTAEVSLGVTYEQWKILNEIDAGVCEEMTYSEIEQRYPEEF
 ALRDQEKYLRYRPGGESYQDLVQRLEPVIMELERQGNILVISHQAVMRCLLAYFLDKGAGCKVETITLNV
 DAVDTHRDKPTHNFKSQTPVRRRNSFTPLSSNTIRRPNYSVGSRLKPLSPLRALDMQEGADQPKT
 QVSIPVV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

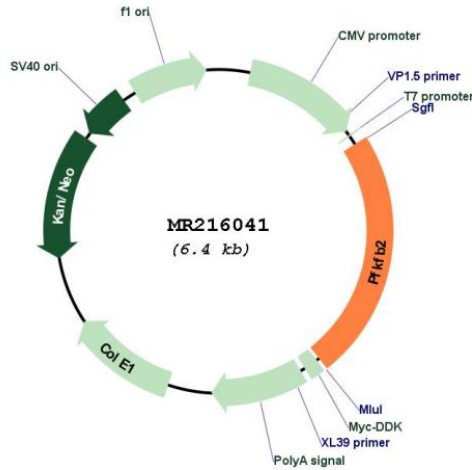
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001162416

ORF Size: 1491 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_001162416.1](#), [NP_001155888.1](#)

RefSeq Size: 2382 bp

RefSeq ORF: 1494 bp

Locus ID: 18640

Cytogenetics: 1 E4

MW: 57.8 kDa

Gene Summary: Synthesis and degradation of fructose 2,6-bisphosphate.[UniProtKB/Swiss-Prot Function]