

Product datasheet for **MR216027**

Pfkfb2 (NM_001162415) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pfkfb2 (NM_001162415) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pfkfb2
Synonyms:	4930568D07Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR216027 representing NM_001162415
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCTGAGAATAGTACATTTTCCCCAGAAGACTGCAACAGCAGCTATAAACCCACGCCTCAAATCTGC
 GAAGGGCAGGGAAGACATGCTCATGGGCTTCTATATGACCAACTCCCAACACTCATTGTTATGATTGG
 CTTGCCAGCCCGGGTAAAACCTTATGTGTCTAAGAACTAACACGCTACCTCAACTGGATTGGAGTACCC
 ACCAAAGTGTAACTCTGGGGTATATCGACGTGAAGCAGTCAAGTCTATCAGTCTTATGATTTCTTTC
 GACATGACAATGAAGAGGCTATGAAGATCCGCAACAGTGTGCTCTGGTGGCACTGGAAGATGTTAAAGC
 CTATTTTACTGAAGAGAGTGGCAGATTGCGGTGTTTGTGCCACCAATACCACTCGGGAGAGGAGGGAC
 ATGATTTTGAACTTTGCCAAGCAGAATGCCTTCAAGGTATTTTTGTAGAATCTGTCTGTGATGATCCTG
 ATGTCATTGCTGCCAATATTCTGGAGGTAAAAGTGTGAGCCCTGACTACCCGAAAGGAATAGGGAGAA
 TGTGATGGAGACTTCTGAAGAGAATTGAGTGTACAAGTCACTTACCAGCCCTTGACCCAGACAAC
 TATGATAAGGATCTTTCTTTATAAAGGTGATAAATGTAGGCCAGAGATTCCTGGTCAACAGAGTTCAGG
 ACTACATCCAGAGTAAGATTGTCTACTACCTGATGAATATCCACGTCCATCCTCGCACCATCTACCTTTG
 CCGGCACGGCAGAGCGAGTTCAACCTTTTGGGGAAGATTGGGGTGACTCTGGCCTCTCCGTGCGAGGA
 AAGCAGTTTGTCTCATGCTCTGAAGAAGTTTCTGGAGGAACAGGAGATCCAGGACCTTAAAGTGTGGACGA
 GCCAGTTGAAGAGGACAATTCAGACTGCTGAGTCTCTGGGGTGACCTATGAGCAGTGAAGATCCTCAA
 TGAGATTGATGCTGGCGTGTGTGAGGAGATGACATATTCAGAGATTGAGCAACGGTACCCAGAGGAATTT
 GCCTCCGAGATCAAGAGAAGTATCTGTACCGATACCTGGTGGGAGTCTCTACCAGGACCTGGTGCAGC
 GGCTGGAGCCTGTCATCATGGAGCTAGAGCGTCAAGGCAACATCCTCGTTATCTCTCACCAGGCTGTCAT
 GCGCTGCCTCTGGCCTACTTCTTGGATAAAGGCGCAGATGAGTTACCATACTTGAGGTGCCCCCTGCAC
 ATCATCTTCAAACCTACTCCTGTGGCCTATGGTTGCAAAGTGGAACAATTACTCTGAATGTGGATGCTG
 TAGACACACATCGTGACAAGCCAACTGAAGTGGAGAATTTGCTGGCTGAGCATAGACACCCCTCAATGGC
 ATCCCTCACTTTGCTCTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR216027 representing NM_001162415
 Red=Cloning site Green=Tags(s)

MSENSTFSPEDCNSSYKPHASNLRRAGKTCWSASYMTNSPTLIVMIGLPARGKTYVSKKLTRYLNWIGVP
 TKVFNLGVYRREAVKSYQSYDFFRHDNEEAMKIRKQCALVALEDVKAYFTEESGQIAVFDATNTTERRRD
 MILNFAKQNAFKVFFVESVCDDPDVIAANILEVKVSSPDYPERNRENMEDFLKRIECYKVTYQPLDPDN
 YDKDLSFIKVINVGQRFLVNRVQDIQSKIVYYLMNIHVHPRTIYLCRHGESEFNLLGKIGGDSGLSVRG
 KQFAHALKKFLEEQEIQDLKVWTSQKRTIQTAESLGVTYEQWKILNEIDAGVCEEMTYSEIEQRYPEEF
 ALRDQEKYLRYRPGGESYQDLVQRLEPVIEMELERQGNILVISHQAVMRCLLAYFLDKGADELPLYRCLPLH
 IIFKLTPVAYGCKVETITLNVDAVDTHRDKPTEVENLLAEHRHPSMASLTLLS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001162415

ORF Size: 1419 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_001162415.1](#), [NP_001155887.1](#)

RefSeq Size: 3689 bp

RefSeq ORF: 1422 bp

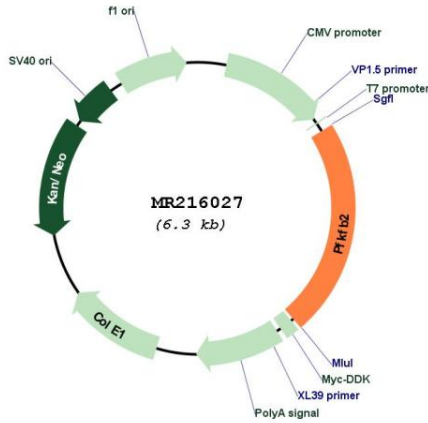
Locus ID: 18640

Cytogenetics: 1 E4

MW: 55.2 kDa

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

Product images:



Circular map for MR216027