

Product datasheet for **MG216027**

Pfkfb2 (NM_001162415) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pfkfb2 (NM_001162415) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pfkfb2
Synonyms:	4930568D07Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

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>MG216027 representing NM_001162415
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCTGAGAATAGTACATTTTCCCAGAAGACTGCAACAGCAGCTATAAACCCACGCCTCAAATCTGC
GAAGGGCAGGGAAGACATGCTCATGGGCTTCTATATGACCAACTCCCCAACACTATTGTTATGATTGG
CTTGCCAGCCCGGGTAAAACCTTATGTGTCTAAGAACTAACACGCTACCTCAACTGGATTGGAGTACCC
ACCAAAGTGTAACTCTGGGGTATATCGACGTGAAGCAGTCAAGTCTATCAGTCTTATGATTTCTTTC
GACATGACAATGAAGAGGCTATGAAGATCCGCAACAGTGTGCTCTGGTGGCACTGGAAGATGTTAAAGC
CTATTTTACTGAAGAGAGTGGCAGATTGCGGTGTTTGTATGCCACCAATACCACTCGGGAGAGGAGGGAC
ATGATTTTGAACCTTCCAAGCAGAATGCCTTCAAGGTATTTTTGTAGAATCTGTCTGTGATGATCCTG
ATGTCATTGCTGCCAATATTCTGGAGGTAAAAGTGTGAGCCCTGACTACCCGAAAGGAATAGGGAGAA
TGTGATGGAGACTTCTGAAGAGAATTGAGTGTACAAGTCACTTACCAGCCCTTGACCAGACAAC
TATGATAAGGATCTTTCTTTATAAAGGTATAAATGTAGGCCAGAGATTCTGGTCAACAGAGTTCAGG
ACTACATCCAGAGTAAGATTGTCTACTACCTGATGAATATCCACGTCCATCCTCGCACCATCTACCTTTG
CCGGCACGGCAGAGCGAGTTCAACCTTTTGGGGAAGATTGGGGTACTCTGGCCTCTCCGTGCGAGGA
AAGCAGTTTGTCTCATGCTCTGAAGAAGTTTCTGGAGGAACAGGAGATCCAGGACCTAAAGTGTGGACGA
GCCAGTTGAAGAGGACAATTCAGACTGTGAGTCTCTGGGGTGACCTATGAGCAGTGGAAAGATCTCAA
TGAGATTGATGCTGGCGTGTGTGAGGAGATGACATATTCAGAGATTGAGCAACGGTACCCAGAGGAATTT
GCCTGGAGCCTGTCATCATGGAGCTAGAGCGTCAAGGCAACATCCTCGTTATCTCAACCAGGCTGTCAT
GGCTGCCTCCTGGCCTACTTCTTGATAAAGGCGCAGATGAGTTACCATACTTGAAGGTGCCCCCTGCAC
ATCATTTCAAACCTACTCTGTGGCCTATGGTTGCAAAGTGGAAACAATTAATCTGAATGTGGATGCTG
TAGACACACATCGTGACAAGCCAACCTGAAGTGGAGAATTTGCTGGCTGAGCATAGACACCCCTCAATGGC
ATCCCTCACTTTGCTCTCC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTAA
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Protein Sequence:

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>MG216027 representing NM_001162415
Red=Cloning site Green=Tags(s)

MSENSTFSPEDCNSSYPKPHASNLRRAGKTCASWASYMTNSPTLIVMIGLPARGKTYVSKLTRYLNWIGVP
TKVFNLVYRREAVKSYQSYDFFRHDNEEAMKIRKQCALVALEDVKAYFTEESGQIAVFDATNTTRERRD
MILNFAKQNAFKVFFVESVCDPDVIAANILEVKVSSPDYPERNRENMEDFLKRIECYKVTYQPLDPDN
YDKDLSEIKVINVGQRFLVNRVQDYIQSKIVYYLMNIHVPRTIYLCRHGESEFNLLGKIGGDSGLSVRG
KQFAHALKKFLEEQEIQDLKVWTSQKRTIQTAESLGVTYEQWKILNEIDAGVCEEMTYSEIEQRYPEEF
ALRDQEKYLRYPGGESYQDLVQRLEPVMELERQGNILVISHQAVMRCLLAYFLDKGADELPLYRCLPLH
IIFKLTVPVAYGCKVETITLNVDAVDTHRDKPTEVENLLAEHRHPSMASLTLSS

TRTRPLE – GFP Tag – V
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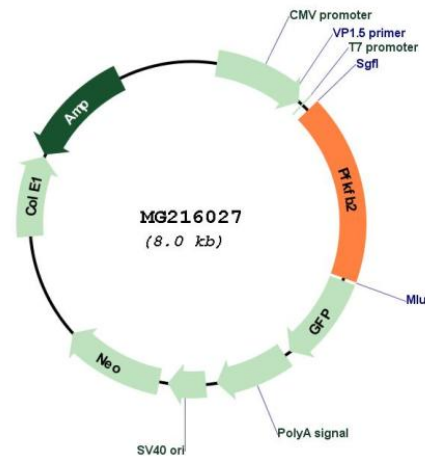
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



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

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