

Product datasheet for **MR207244**

Pfkfb4 (BC057594) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pfkfb4 (BC057594) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pfkfb4
Synonyms:	C230090D14
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR207244 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGTCTCCACGGAACTGACCCAGAATCCCCTGAAGAAGATCTGGATGCCGTACAGCAATGGCAGGC
 CCGCTCTGCACGCCAGCCAGCGTGGTGCCCGGGCAAGACCTACATTTCTAAGAAGCTGACGCGGTACCT
 CAACTGGATTGGCGTGCCTACTCGGGAATTCACGTTGGTCAGTATCGCCGGGACATAGTCAAGACGTAC
 AAATCTTTTGTAGTTTTCTCCAGACAATGAAGAAGGCCTGAAAATCAGGAAGCAGTGTGCCTTAGCAG
 CCCTCAGTGATGTCGGGAAGTTCCTCAGTGAGGAGGGGGACATGTGGCGTTTTTGTGCAACCAATAC
 GACCCGAGAGCGGAGAGCGATGATCTTTAACTTTGGAGAACAGAATGGCTACAAGACCTCTTTGTTGAA
 TCTATCTGTGTGGATCCTGAGGTTGTTGCTGCCAACATCGTCAAGTGAAGCTGGCAGCCCTGACTATG
 TCAACCGGACAGCGACGAAGCCACCGAAGACTTCATGAGGCGCATTGAATGCTATGAAAATCATATGA
 GTCGCTGGATGAAGACCTGGACAGGGATCTGTCCTACATCAAGATCATGGACGTGGCCAGAGCTATGTG
 GTGAACCGTGTGCTGATCACATCCAGAGTCGCATCGTTTATTACCTCATGAACATCCATGTGACACCCC
 GCTCCATCTACCTCTGCCGGCATGGGGAGAGCGAGCTAAACCTCAAGGGCCGGATTGGTGGGGATCCTGG
 ACTGTCCCCCGGGGCCGGGAGTTTTCCAAGCATCTGGCCAGTTCATCAGTGACCAGAACATTAAGGAT
 CTGAAGGTCTGGACGAGCCAGATGAAGAGGACGATCCAGACAGCCGAGGCGCTGAGCGTCCCTTATGAGC
 AGTGAAGGTCTCAACGAGATCGATGCGGGCTCTGTGAGGAAATGACCTACGAAGAAATCCAGGATCA
 CTACCCGCTGGAGTTGCCCTGCGGGATCAGGACAAGTACCGGTACCGGTACCCGAAGGGTGAGTCCAT
 GAAGACCTGGTGCAGCGGCTGGAGCCGTCATCATGGAAGTGGAGAGGCAGGAGAATGTGTTGGTCATTT
 GCCACCAGGCTGTCATGCGCTGCCTCCTGGCCTACTTCCCTTGACAAGGCAGCTGAAGAGCTGCCCTACT
 CAAATGCCCTTGACACAGTCCCTGAAGCTCACACCCGTTACGGTTGTAAGTGGAGTCCATATTC
 CTGAACGTGGCAGCTGTGAACACTCACCGAGACAGACCTCAGAATGTAGACATATCCAGGCCCTCAGAGG
 AAGCCCTGTACAGTCCCTGCTCACCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207244 protein sequence
 Red=Cloning site Green=Tags(s)

MASPRELTQNPLKKIWPYSNGRPALHASQRGARGKTYISKLLTRYLNWIGVPTREFNVGQYRRDIVKTY
 KSFEFFLPDNEEGLKIRKQCALAALSDVRKFLSEEGHVAVFDATNTTRERRAMIFNFGEQNGYKTFVVE
 SICVDPEVVAANIVQVKGSPDYVNRDSDEATEDFMRRIECYENSYESLDEDLDRDL SYIKIMDVGQSYV
 VNRVADHIQSRIVYLLMNIHVTPRSIYLCRHGESELNLKGRIGGDPGLSPRGREFSKHLAQFISDQNIKD
 LKVVWTSQMKRTIQTAELSVPYEQWKVLNEIDAGVCEEMTYEEIQDHYPLEFALRDQDKYRYRYPKGESY
 EDLVQRLEPVI MELERQENVLVIHQAVMRCLLAYFLDKAAEELPYLKCPLHTVLKLTVPVAYGCKVESIF
 LNVAAVNTHRDRPQNVDISRPSEALVTPAHQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: BC057594

ORF Size: 1359 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](#)

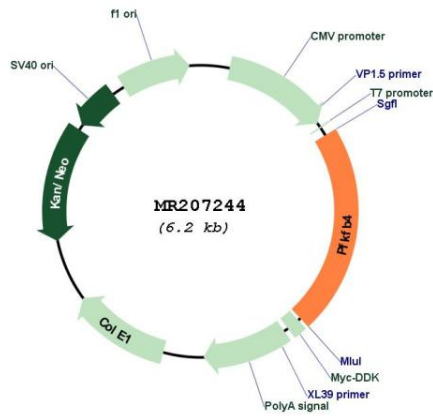
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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: [BC057594](#), [AAH57594](#)
 RefSeq Size: 3329 bp
 RefSeq ORF: 1361 bp
 Locus ID: 270198
 Cytogenetics: 9 F2
 MW: 52.4 kDa
 Gene Summary: Synthesis and degradation of fructose 2,6-bisphosphate.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR207244