

## Product datasheet for **MG207244**

### **Pfkfb4 (BC057594) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pfkfb4 (BC057594) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pfkfb4
Synonyms:	C230090D14
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG207244 representing BC057594  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCGTCTCCACGGAACTGACCCAGAATCCCCTGAAGAAGATCTGGATGCCGTACAGCAATGGCAGGC  
 CCGCTCTGCACGCCAGCCAGCGTGGTGCCGGGGCAAGACCTACATTTCTAAGAAGCTGACGCGGTACCT  
 CAACTGGATTGGCGTGCCTACTCGGGAATTCACGTTGGTCAGTATCGCCGGGACATAGTCAAGACGTAC  
 AAATCTTTTGTAGTTTTCTCCAGACAATGAAGAAGGCCTGAAAATCAGGAAGCAGTGTGCCTTAGCAG  
 CCCTCAGTGATGTCGGAAGTTCCTCAGTGAGGAGGGGGACATGTGGCGTTTTTGTGCAACCAATAC  
 GACCCGAGAGCGGAGAGCGATGATCTTTAACTTTGGAGAACAGAATGGCTACAAGACCTCTTTGTTGAA  
 TCTATCTGTGTGGATCCTGAGGTTGTTGCTGCCAACATCGTCAAGTGAAGCTGGCAGCCCTGACTATG  
 TCAACCGGACAGCGACGAAGCCACCGAAGACTTCATGAGGCGCATTGAATGCTATGAAAACATCATGA  
 GTCGCTGGATGAAGACCTGGACAGGGATCTGTCCTACATCAAGATCATGGACGTGGCCAGAGCTATGTG  
 GTGAACCGTGTGCTGATCACATCCAGAGTCGCATCGTTTATTACCTCATGAACATCCATGTGACACCCC  
 GCTCCATCTACCTCTGCCGGCATGGGGAGAGCGAGCTAAACCTCAAGGGCCGGATTGGTGGGGATCCTGG  
 ACTGTCCCCCGGGGCCGGGAGTTTTCCAAGCATCTGGCCAGTTCATCAGTGACCAGAACATTAAGGAT  
 CTGAAGGTCTGGACGAGCCAGATGAAGAGGACGATCCAGACAGCCGAGGCGCTGAGCGTCCCTTATGAGC  
 AGTGGAAGGTCTCAACGAGATCGATGCGGGCTGTGTGAGGAAATGACCTACGAAGAAATCCAGGATCA  
 CTACCCGCTGGAGTTTGCCTGCGGGATCAGGACAAGTACCGGTACCGGTACCCGAAGGGTGAGTCCAT  
 GAAGACCTGGTGCAGCGGCTGGAGCCGTCATCATGGAAGTGGAGAGGCAGGAGAATGTGTTGGTCATTT  
 GCCACCAGGCTGTCATGCGCTGCCTCCTGGCCTACTTCTTGACAAGGCAGCTGAAGAGCTGCCCTACCT  
 CAAATGCCCTTGACACAGTCCCTGAAGCTCACACCCGTTACGGTTGTAAGTGGAGTCCATATTC  
 CTGAACGTGGCAGCTGTGAACACTCACCGAGACAGACCTCAGAATGTAGACATATCCAGGCCCTCAGAGG  
 AAGCCCTGTACAGTCCCTGCTCACCAG

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>MG207244 representing BC057594  
 Red=Cloning site Green=Tags(s)

MASPRELTQNPLKKIWPYSNGRPALHASQRGARGKTYISKKLTRYLNWIGVPTREFNVGQYRRDIVKTY  
 KSFEFFLPDNEGLKIRKQCALAALSDVRKFLSEEGHVAVFDATNTRERRAMIFNFGEQNGYKTFVVE  
 SICVDPEVVAANIVQVKLGSPDYVNRDSDEATEDFMRRIECYENSYESLDEDLDRDLSYIKIMDVGQSYV  
 VNRVADHIQSRIVYYLMNIHVTPRSIYLCRHGESELNLKGRIGGDPGLSPRGREFSKHLAQFISDQNIKD  
 LKVVTSQMKRTIQTAEALSVPYEQWVKVLEIDAGVCEEMTYEEIQDHYPLEFALRDQDKYRYRYPKGESY  
 EDLVQRLEPVMELERQENVLVICHQAVMRCLLAYFLDKAAEELPYLKCPLHTVLKLTVPVAYGCKVESIF  
 LNVAAVNTHRDRPQNVDISRPSEALVTVPAHQ

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

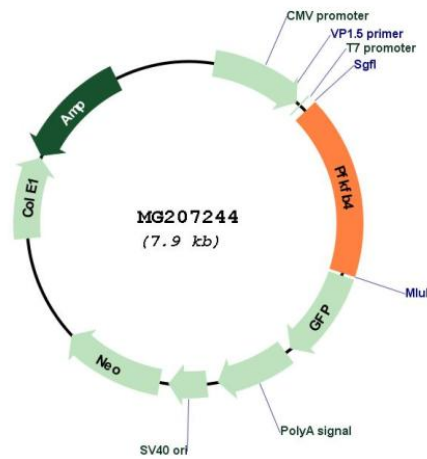
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: BC057594

ORF Size: 1361 bp

<b>OTI Disclaimer:</b>	<p>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 <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">BC057594</a> , <a href="#">AAH57594</a>
<b>RefSeq Size:</b>	3329 bp
<b>RefSeq ORF:</b>	1361 bp
<b>Locus ID:</b>	270198
<b>Cytogenetics:</b>	9 F2
<b>Gene Summary:</b>	Synthesis and degradation of fructose 2,6-bisphosphate.[UniProtKB/Swiss-Prot Function]