

Product datasheet for **MG218288**

Pfkfb1 (NM_008824) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pfkfb1 (NM_008824) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pfkfb1
Synonyms:	PFK/FBPase 1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG218288 representing NM_008824
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAAGAAAAAGCCTCTAAGAGAGCAGCCTCCATACCACAGTTCACATAATCCCCACAATGGTATCA
 TGGTGGGTTTACCAGCTCGAGGCAAGACCTACATCTCTACGAAGCTCACACGCTATCTCAACTGGATAGG
 AACACCGACTAAAGTGTTAATTTAGGTCAGTATCGACGAGAGGCAGTGAGCTACAGGAATATGAATTC
 TTTGCCCCAGACAACATGGAGGCCCAACTTATCAGGAAGCAGTGTCTAGCAGCCCTAAAGGATGTCC
 ATAAGTATCTCAGCCGTGAGGAAGGTCACGTTGCGGTTTTTGATGCCACCAACACTACCAGAGAACGACG
 ATCATTGATTCTGCAGTTTGCTAAAGAACATGGTTACAAGGTCTCTTTATTGAGTCTATTTGTAATGAC
 CCAGACATCATTGCAGAAAACATCAAGCAAGTAAACTCGGCAGTCTGATTACATAGACTGTGACCAAG
 AAAAGTTTTAGAAGACTTTCTAAAGAGAATTGAGTGCTATGAGATCAACTACCAGCCTTTGGATGAGGA
 ATTTGGACAGCCACTGTCTACATCAAGATCTTCGATGTGGGCACACGCTACATGGTAAATCGAGTGCAA
 GACCACGTTCAAAGCCGTACAGCCTACTACCTCATGAACATCCATGTACACCTCGATCTATCTACCTAT
 GCCGACATGGTGAGAGTAACTCAACCTTAGAGGCCGCATTGGAGGTGACTCTGGCCTCTCAGCTCGGGG
 CAAGCAGTATGCCTATGCCCTGGCCAACCTTCAATTCGGTCTCAAAGCATCAGCTCCCTGAAGGTGTGGACT
 AGCCACATGAAGAGGACCATTGACAGAGCTGAAGCCCTAGGCGTCCCCTATGAACAGTGAAGGCCCTGA
 ATGAGATTGATGCGGGTGTCTGTGAAGAGATGACTTATGAAGAAATTGAGAACACTACCCTGAAGAATT
 TGCCTACGGGACCAGGATAAATATCGTTACCGCTATCCCAAGGGAGAGTCTATGAGGATCTGGTTCAG
 CGTCTTGAGCCAGTTATAATGGAGCTAGAACGGCAAGAAAATGTACTGGTATCTGTACCAGGCTGTCA
 TGCCGTGCCTTCTAGCATACTTCTGGATAAAAAGTTCAGATGAGCTGCCCTATCTCAAGTGTCTCTGCA
 TACAGTGCTCAAACCTCACACCTGTGGCTTATGGCTGCAGAGTGGAGTCCATCTACCTGAATGTGGAGGCT
 GTGAACACACACCGGGACAAGCCTGAGAATGTGGACATCACCCGTGAACCTGAGGAAGCCCTGGACACTG
 TCCTGCCATTAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG218288 representing NM_008824
 Red=Cloning site Green=Tags(s)

MEEKASKRAASIPQFTNSPTMIMVGLPARGKTYISTKLTRYLNWIGTPKVFNLGQYRREAVSYRNYEF
 FRPDNMEAQLIRKQCALAALKDVHKYLSREEGHVAVFDATNTTRRERSLILQFAKEHGYKVFVIESICND
 PDIIAENIKQVKLGSPDYIDCDQEKVLEDFLKRIECYEINYQPLDEELSHLSYIKIFDVGTRYMVNRVQ
 DHVQSRTAAYLMNIHVTPRSIYLCRHGESELNLRGRIGGDSGLSARGKQYAYALANFIRSQSISSLKQWT
 SHMKRTIQTAELGVPYEQWKALNEIDAGVCEEMTYEEIQEHYPEEFALRDQDKYRYRYPKGESYEDLVQ
 RLEPVI MELERQENVLVIHQAVMRCLLAFYLDKSSDELPYLKCPHLHTVLKLTVPVAYGCRVESIYLNVEA
 VNTHRDKPENVDITREPEEALDTPAHY

TRTRPLE – GFP Tag – V

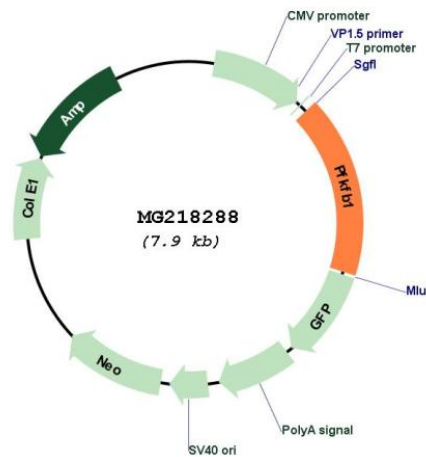
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_008824

ORF Size: 1344 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:	<ol style="list-style-type: none">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:	<u>NM_008824.2</u> , <u>NP_032850.1</u>
RefSeq Size:	1721 bp
RefSeq ORF:	1347 bp
Locus ID:	18639
UniProt ID:	<u>P70266</u>
Cytogenetics:	X F3
Gene Summary:	Synthesis and degradation of fructose 2,6-bisphosphate.[UniProtKB/Swiss-Prot Function]