

## Product datasheet for **MG227626**

### **Pfkfb3 (NM\_001177753) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pfkfb3 (NM_001177753) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pfkfb3
Synonyms:	E330010H22Rik; iPFK-2; uPFK-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG227626 representing NM\_001177753  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCCGTTGGAAGTACCCAGAGCCGGGTACAGAAGATCTGGGTGCCCGTCGATACCGACCTCGTTGC  
 CCAGATCCTGTGGGCCGAAGCTGACCAACTCCCAACCGTGATTGTGATGGTGGGGCTCCAGCCGGGG  
 TAAGACTTACATCTCAAGAAGCTGACTCGCTACCTCACTGGATAGGTGTTCCAACGAAAGTGTTCAAT  
 GTGGGAGAGTATCGGCGTGAGGCTGTGAAGCAGTACAGCTTTACAACCTCTCCGCCCTGACAATGAGG  
 AAGCCATGAGAGTCCGAAAACAGTGTGCCTTAGCTGCCCTGAGAGATGTCAAAGCTACCTGACAAAGGA  
 AGGTGGACAGATTGCAGTTTTTGTGCCACCAATACAACCTAGAGAAAGAAGGCACATGATCCTTAATTTT  
 GCCAAAGAAAATGACTTCAAGGCATTTTTTCATCGAGTCGGTCTGTGACGACCCTACTGTTGTGCCCTCA  
 ACATCATGGAAGTAAAACTCCAGCCCGATTACAAAGACTGCAACTCAGCAGAAGCCATGGACGACTT  
 CATGAAGAGAATCAATTGCTATGAAGCCAGCTACCAGCCTTTGACCCTGATAAATGTGACAGGGACTTG  
 TCACTCATCAAAGTGATTGATGTTGGCCGGAGGTTCTTGGTGAACAGAGTGCAGGACCACATCCAGAGCC  
 GAATTGTATACTACCTGATGAACATCCAGTGCAGCCCGTACCATCTACCTGTGTGCGCATGGCGAGAA  
 TGAGTACAACCTTGAGGGCAAGATTGGGGGCGACTCAGGCTTGTCCAGCAGAGGCAAGAAGTTCCGCAAT  
 GCCCTGAGCAAGTTCGTAGAAGAACAGAATCTGAAGGACCTCCGTGTGTGGACCAGCCAGCTGAAAAGTA  
 CCATTCAGACCGCGGAGGCCCTGAGGCTCCCCTACGAGCAGTGAAGGCACTCAACGAGATCGATGCTGG  
 TGTGTGTGAGGAACTAACCTATGAGGAGATCAGAGATACCTACCTGAGGAGTACGCACTGCGTGAACAG  
 GACAAGTACTACTATCGCTATCCACGGGAGATCCTACCAGGATCTTGTCCAACGCCTGGAGCCTGTGA  
 TCATGGAATTAGAGCGCCAAGAGAATGTATTGGTCATCTGTACCAGGCTGTTCTACGCTGCCTAAGC  
 CTACTTCTCGACAAGAGTGCAGAGGAGATGCCATACCTGAAATGTCCGCTCCACACTGTCTGAAACTG  
 ACACCTGTGCATATGGGTGCCGGTGGAGTCCATTTACTTGAATGTAGAATCGGTGAGCACACCCGGG  
 AGAGGTGAGAGGCTGTCAAAATACAACCTTTGCCAGTGTAGTCAGACCTTCTCTTACACCGAAGTTGA  
 CTTTCAGTCTGTGGAGTCCGAAAACAGGATGCAAAGAAGGGACCTAACCCGCTCATGAGACGCAATAGT  
 GTCACCCCACTAGCCAGTCCCGAGCCACCAAAAAGCCTCGCATCAACAGCTTTGAGGAGCGTGTGGCTT  
 CCATTCTGCTGCCCTGCCAAGCTGCTGCCCCGGAAGTGCCACGCAGCTGCCCGGACAACCTTTGCT  
 AGGAAAGCCTGTCTACGAAGTGTCTGTACATTTTTTCAAAGTTTTCTCCTTAC

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>MG227626 representing NM\_001177753  
 Red=Cloning site Green=Tags(s)

MPELELQSRVQKIWVPVDHRPSLPRSCGPKLTNSPTVIVMVGLPARGKTYISKLLTRYLNWIGVPTKVFN  
 VGEYRREAVKQYSSYNFRPDNEAMRVRKQCALAALRDVKSYLEKEGGQIAVFADATNTTRERRHMILNF  
 AKENDFKAFFIESVCDPTVVASNIMEVKISSPDYKDCNSAEAMDDFMKRINCYEASYQLDPDKDRDL  
 SLIKVIDVGRFRFLVNRVQDHIQSRIVYYLMNIHVQPRTIYLCRHGENEYNLQGKIGGDSGLSSRGKFFAN  
 ALSKFVEEQNLKDLRVWTSQKSTIQTAELRLPYEQWKALNEIDAGVCEELTYEEIRDTYPEEYALREQ  
 DKYYYYRPTGESYQDLVQRLEPIMELERQENVLVICHQAVLRCLLAYFLDKSAEEMPYLKCPLHTVLKL  
 TPVAYGCRVESIYLNVESVSTHRERSEAVKIQHFASVVRPSSYTELDFQSVESAKQDAKKGPNPLMRRNS  
 VTPLASPEPTKKPRINSFEERVASTSAALPSCLPPEVPTQLPGQPLLGKACLRSVCHIFSKFSFY

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

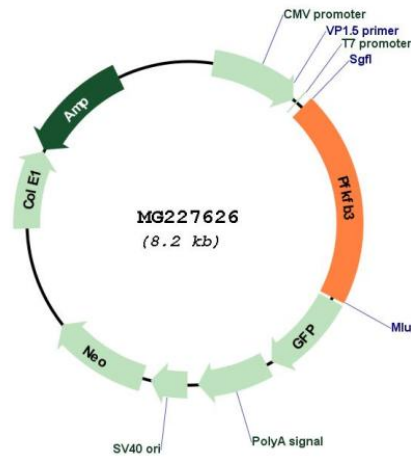
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



<b>ACCN:</b>	NM_001177753
<b>ORF Size:</b>	1665 bp
<b>OTI Disclaimer:</b>	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>
<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="#">NM_001177753.1</a> , <a href="#">NP_001171224.1</a>
<b>RefSeq Size:</b>	5206 bp
<b>RefSeq ORF:</b>	1668 bp
<b>Locus ID:</b>	170768
<b>Cytogenetics:</b>	2 A1