

## Product datasheet for RN216645

### Pfkfb1 (NM\_001271064) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Pfkfb1 (NM_001271064) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pfkfb1
Synonyms:	Pfkfb01; PFRX
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN216645 representing NM_001271064 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGCCACCCACCGACCTGCTTTGGGGTCTGTAATGCAAGAGAGCCATTGGAAAATTAGCGATGGAAG  
AAAAAGCCTCTAAGAGAACAGTGTTTAATTTAGGTCAGTATCGACGAGAGGCAGTGAGTTACAGGAACTA  
TGAATTTTCGCCAGACAACACAGAGGCCAGCTTATCAGGAAGCAGTGTGCTCTAGCAGCCCTAAAG  
GATGTCCATAAGTATCTCAGCCGCGAGGAAGGTCATGTTGCGGTTTTGTAGCCACCAACTACAGAG  
AACGACGATCGTTGATTCTACAGTTTGCTAAGGAACATGGTTATAAGGTCTTCTTATTAGTCTATTTG  
TAATGACCCCGAAATCATTGCAGAAAACATCAAGCAAGTAAAAGTGGTAGTCTGATTACATAGACTGT  
GACCAAGAAAAGGTTTTGGAAGACTTTCTAAAGAGAATAGAGTGCATGAGATCAACTACCAACCTTTGG  
ATGAGGAATTGGACAGCCACCTGCTACATCAAGATCTTCGACGTGGGCACACGCTACATGGTAAATCG  
AGTGCAGGACCAGTTCAGAGCCGTACAGCCTACTACCTCATGAACATCCATGTCACACCTCGATCTATC  
TACCTATGCCCCATGGTGAGAGTGAACCACTTAGAGCCGCTTGGAGGTGACTCTGGCCTCTCAG  
CTCGGGCAAGCAGTATGCCTATGCACTAGCCAACCTTCATCCGGTCTCAAGGCATCAGCTCCCTGAAAGT  
ATGGACTAGCCACATGAAGAGGACCATTAGACCGCTGAAGCCCTAGGTGTCCCCTATGAACAGTGGGAA  
GCCCTGAATGAGATTGATGCGGGTGTCTGTGAAGAGATGACCTATGAAGAAATTCAGGAACACTACCTG  
AGGAATTTGCACTACGGGACCAGGATAAATATCGTTACCGCTATCCCAAGGGAGAGTCTATGAGGATCT  
GGTTCAGCGTCTTGAACAGTTAATGGAGCTAGAACGGCAAGAAAATGTACTGGTGATCTGTCACCAG  
GCTGTCATGCGGTGCCTCCTGGCATACTTCTGGATAAAAAGTTCAGATGAGCTGCCCTATCTCAAGTGC  
CTCTGCATACTGTGCTCAAACCTCACACCTGTGGCTTATGGCTGCAGAGTGGAGTCCATCTACCTGAATGT  
GGAGGCTGTGAACACACACCGGGACAAGCCTGAGAATGTGGACATCACCCGTGAAGCTGAGGAAGCCTTG  
GACACTGTACCTGCCATTACTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_001271064
<b>Insert Size:</b>	1284 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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>	<u><a href="#">NM_001271064.1</a></u> , <u><a href="#">NP_001257993.1</a></u>
<b>RefSeq Size:</b>	1581 bp
<b>RefSeq ORF:</b>	1284 bp
<b>Locus ID:</b>	24638
<b>Cytogenetics:</b>	Xq13
<b>Gene Summary:</b>	<p>bifunctional enzyme; catalyzes synthesis and degradation of fructose 2,6-bisphosphate, a ubiquitous stimulator of glycolysis [RGD, Feb 2006]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR and coding sequence and lacks an alternate in-frame exon compared to variant 1. The resulting isoform (3) has a shorter and distinct N-terminus and lacks an alternate internal segment compared to isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>