

Product datasheet for **RN216743**

Pfkfb1 (NM_001271063) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pfkfb1 (NM_001271063) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pfkfb1
Synonyms:	Pfkfb01; PFRX
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN216743 representing NM_001271063
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCACCACCGGACCTGCTTTGGGGTCTGTAATGCAAGAGAGCCATTGGAAAATTAGCGATGGAAG
 AAAAAGCCTCTAAGAGAACAGCCTCCATACCACAGTTCACCTAATTCTCCACGATGGTATCATGGTGGG
 TTTACCAGCTCGAGGCAAGACCTACATCTCTACGAAGCTCACACGCTATCTCAACTGGATAGGAACCA
 ACTAAAGTGTAAATTTAGGTCAAGTATCGACGAGAGGAGGAGTACAGGAACTATGAATCTTTCCGCC
 CAGACAACACAGAGGCCAGCTTATCAGGAAGCAGTGTGCTCTAGCAGCCCTAAAGGATGTCATAAGTA
 TCTCAGCCGCGAGGAAGTTCATGTTGCGGTTTTGATGCCACCAACTACCAGAGAACGACGATCGTTG
 ATTCTACAGTTTCTAAGGAACATGGTTATAAGGTCTTCTTTATTGAGTCTATTTGTAATGACCCCGAAA
 TCATTGCAGAAAACATCAAGCAAGTAACTTGGTAGTCTGATTACATAGACTGTGACCAAGAAAAGGT
 TTTGGAAGACTTCTAAAGAGAATAGAGTCTATGAGATCAACTACCAACCTTTGGATGAGGAATTGGAC
 AGCCACCTGTCTACATCAAGATCTTCGACGTGGGCACACGCTACATGGTAAATCGAGTGCAGGACCAG
 TTCAGAGCCGTACAGCCTACTACCTCATGAACATCCATGTGCACACCTCGATCTATCTACCTATGCCGCCA
 TGGTGAGAGTGAACCTTAGAGGCCGATTGGAGGTGACTCTGGCCTCTCAGCTCGGGCAAGCAG
 TATGCCTATGACTAGCCAACCTCATCCGGTCTCAAGGCATCAGTCCCTGAAAGTATGGACTAGCCACA
 TGAAGAGGACCATTAGACCCGCTGAAGCCCTAGGTGTCCCTATGAACAGTGAAGGCCCTGAATGAGAT
 TGATGCGGGTGTCTGTGAAGAGATGACCTATGAAGAAATTCAGGAACACTACCCTGAGGAATTTGCACTA
 CGGGACCAGGATAAATATCGTTACCGCTATCCCAAGGGAGAGTCCCTATGAGGATCTGGTTCAGCGTCTTG
 AACCAAGTTATAATGGAGCTAGAACGGCAAGAAAATGACTGGTGTCTGTCACCAGGCTGTCATGCGGTG
 CCTCTGGCATACTTCTGGATAAAAGTTCAGATGAGTGCCTATCTCAAGTGTCTCTGCATACTGTG
 CTCAAACCTCACACCTGTGGCTTATGGCTGCAGAGTGGAGTCCATCTACCTGAATGTGGAGGCTGTGAACA
 CACACCGGGACAAGCCTGAGAATGTGGACATCACCCGTGAAGCTGAGGAAGCCTTGGACTGTACTCTGC
 CCATTACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001271063
- Insert Size:** 1410 bp
- OTI Disclaimer:** 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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: [NM_001271063.1](#), [NP_001257992.1](#)

RefSeq Size: 1707 bp

RefSeq ORF: 1410 bp

Locus ID: 24638

Cytogenetics: Xq13

Gene Summary: bifunctional enzyme; catalyzes synthesis and degradation of fructose 2,6-bisphosphate, a ubiquitous stimulator of glycolysis [RGD, Feb 2006]
Transcript Variant: This variant (2) differs in the 5' UTR and coding sequence compared to variant 1. The resulting isoform (2) has a shorter and distinct N-terminus 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.