

Product datasheet for **RN207195**

Pfkfb1 (NM_012621) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pfkfb1 (NM_012621) 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



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Fully Sequenced ORF: >RN207195 representing NM_012621
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGGATCGCC

ATGTCTCGAGAGATGGGAGAAGCTCACTCAAACAGGTTACAGAAGATCTGGATTCCACACAGCAGCAGTA
GCAGCGTGTGCAACGGCGAAGGGCTCCTCCATACCACAGTTCACCTAATTCTCCCACGATGGTATCAT
GGTGGGTTTACCAGCTCGAGGCAAGACCTACATCTCTACGAAGCTCACACGCTATCTCAACTGGATAGGA
ACACCAACTAAAGTGTAAATTTAGGTCAGTATCGACGAGAGGCAGTGAGTTACAGGAACTATGAATTCT
TTCGCCAGACAACAGAGGCCAGCTTATCAGGAAGCAGTGTGCTCTAGCAGCCCTAAAGGATGTCCA
TAAGTATCTCAGCCGCGAGGAAGGTCATGTTGCGGTTTTGATGCCACCAACTACCAGAGAACGACGA
TCGTTGATTCTACAGTTGCTAAGGAACATGGTTATAAGGCTTCTTTATTGAGTCTATTTGTAATGACC
CCGAAATCATTGCAGAAAACATCAAGCAAGTAAAAGTGGTAGCTGATTACATAGACTGTGACCAAGA
AAAGTTTTGGAAGACTTCTAAAGAGAATAGAGTGTATGAGATCAACTACCAACTTTGGATGAGGAA
TTGGACAGCCACCTGTCTACATCAAGATCTTCGACGTGGGCACACGCTACATGGTAAATCGAGTGCAGG
ACCACGTTACAGCCGTACAGCCTACTACCTCATGAACATCCATGTCACACCTCGATCTATCTACCTATG
CCGCCATGGTGTAGAGTGAAGTCAACCTTAGAGGCCGATTGGAGGTGACTCTGGCCTCTCAGCTCGGGGC
AAGCAGTATGCCTATGCACTAGCCAACCTCATCCGGTCTCAAGGCATCAGCTCCCTGAAAGTATGGACTA
GCCACATGAAGAGGACCATTAGACCCGCTGAAGCCCTAGGTGTCCCTATGAACAGTGAAGGCCCTGAA
TGAGATTGATGCGGGTGTCTGTGAAGAGATGACCTATGAAGAAATTCAGGAACACTACCTGAGGAATTT
GCACTACGGGACCAGGATAAATATCGTTACCGCTATCCCAAGGGAGAGTCTATGAGGATCTGGTTCAGC
GTCTTGAACCAGTTATAATGGAGCTAGAACGGCAAGAAAATGTACTGGTGTCTGTCACCCAGGCTGTCAT
CGGGTGCCTCCTGGCATACTTCTGGATAAAAGTTCAGATGAGCTGCCCTATCTCAAGTGTCTCTGCAT
ACTGTGCTCAAACCTCACACCTGTGGCTTATGGCTGCAGAGTGGAGTCCATCTACCTGAATGTGGAGGCTG
TGAACACACACCGGGACAAGCCTGAGAATGTGGACATCACCCGTGAAGCTGAGGAAGCCTTGGACTGT
ACCTGCCATTACTGA

ACCGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_012621

Insert Size: 1416 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).

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_012621.4](#), [NP_036753.4](#)

RefSeq Size: 1830 bp

RefSeq ORF: 1416 bp

Locus ID: 24638

UniProt ID: [P07953](#)

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 (1) represents the longest transcript and encodes the longest isoform (1).