

Product datasheet for **RN200494**

Pfkfb2 (NM_001033964) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pfkfb2 (NM_001033964) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pfkfb2
Synonyms:	PFK-2; RH2K
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN200494 representing NM_001033964
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCGTGAGAATAGTACATTTTCCACAGAAGACAGCAGCAGCAGCTATAAACCCACGCTCAAACC
 TCCGAAGGGCAGGGAAGAAATGCTCATGGCTTCTACATGACCAACTCCCAACTCATTGTTATGAT
 TGGCTTGCAGCCCGGGTAAGACTTATGTGTCCAAGAAATTAACACGCTACCTGAACTGGATTGGAGTA
 CCTACCAAAGTGTAACTTTGTTGTTATATCGACGGGAAGCAGTCAAGTCTATAAGTCTATGACTTCT
 TTCGACATGACAATGAAGAGGCCATGAAGATCCGCAAACAGTGTGCCCTGGTGGCACTGGAAGATGTGAA
 GGCCTACTTTACTGAAGAGAGTGGCAGATCGCGGTGTTTGTGCCACCAATACCACTCGGGAGAGGAGG
 GACATGATTTTGAACCTTGCCAAGCAGAATGCCTTCAAGGTATTCTTTGTGGAATCTGTGTGATGATC
 CTGATGTCATTGCTGCCAATATTCTGGAGGTAAGGTGCAAGCCCTGACTACCCCGAAAGGAATAGGGA
 GAATGTGATGGAGGACTTCTGAAGAGAATTGAGTGTACAAGGTCACTTACCAGCCCTTGACCCAGAC
 AACTATGATAAGGACCTCTCGTTCAAAAGGTGATGAATGTAGGCCAGAGTTTCTGGTCAACAGAGTTC
 AGGACTACATCCAGAGTAAGATTGTCTACTACCTGATGAACATCCATGTCCATCCTCGCACCATCTATCT
 GTGCCGGCACGGAGAGCGAATTCAATCTTTGGGAAAGATTGGGGGTGACTCTGGCCTTTCTGTTGCGA
 GGAAAGCAGTTTGTCTCAGGCTCTGAAGAAGTTTCTGGAGGAACAGGAGATCCAGGACCTCAAAGTGTGGA
 CAAGCCAGTTGAAGAGGACAATTCAGACTGCTGAGTCTCTTGGGGTGACCTATGAGCAATGGAAGATCCT
 AAATGAGATTGATGCTGGCGTGTGTGAGGAGATGACTTATTCGGAGATCGAACACGGTATCCAGAGGAA
 TTTGCACTTCGAGATCAAGAGAAGTATCTGTATCGATATCCTGGTGGGGAGTCATACCAGGACCTGGTGC
 AGCGGCTGGAGCCTGTGATCATGGAGCTGGAGCGGCAAGGCAACGTCCTCGTTATCTCTACCAGGCTGT
 CATGCGCTGCCTCTGGCCTACTTCTTGGATAAAAGGCGCAGATGAGTTGCCGTACTTGAGGTGCCCTC
 CACATCATCTTCAAACCTACTCCTGTGGCCTATGGTTGCAAAGTGGAAACAATTACACTGAATGTGGAAG
 CTGTGGACACACATCGTGACAAGCCAACCTCACAACCTCCCAAGAGCCAAACCCCTGTAAGGATGAGAAG
 GAACAGCTTTACGCCTCTGTCCAGTTCGAACACAATAAGGCGTCCAAGAAATTACAGTGTGGGAGCCGA
 CCCCTCAAGCCCTCAGCCCTCTCCGTGCCCTGGATATGCAAGAAGGGGCGGACCAGCCGAAGACCCAAG
 AAGTGGAGAATGTGCTGGCTAAGCATAGACGCCCTCAATGGCATCCCTCACTTTGCTCTCT**GA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001033964

Insert Size: 1605 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_001033964.2](#), [NP_001029136.1](#)

RefSeq Size: 3755 bp

RefSeq ORF: 1605 bp

Locus ID: 24640

UniProt ID: [Q9JH5](#)

Cytogenetics: 13q13

Gene Summary: catalyzes the synthesis and degradation of fructose 2,6-bisphosphate [RGD, Feb 2006]
Transcript Variant: This variant (2) lacks an alternate in-frame exon in the 3' end of the coding sequence compared to variant 1. The resulting isoform (b) has the same N- and C-termini but is shorter compared to isoform a. 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.