

## Product datasheet for **RN200496**

### **Pfkfb2 (NM\_080477) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pfkfb2 (NM_080477) 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:** >RN200496 representing NM\_080477  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTCGTGAGAATAGTACATTTTCCACAGAAGACAGCAGCAGCAGCTATAAACCCACGCCTCAAACC  
 TCCGAAGGGCAGGGAAGAAATGCTCATGGCTTCTACATGACCAACTCCCAACTCATTGTTATGAT  
 TGGCTTGCAGCCCGGGTAAGACTTATGTGTCCAAGAAATTAACACGCTACCTGAACTGGATTGGAGTA  
 CCTACCAAAGTGTAACTTTGGTGTATATCGACGGGAAGCAGTCAAGTCTATAAGTCTATGACTTCT  
 TTCGACATGACAATGAAGAGGCCATGAAGATCCGCAAACAGTGTGCCCTGGTGGCACTGGAAGATGTGAA  
 GGCCTACTTTACTGAAGAGAGTGGGCAGATCGCGGTGTTTGTGCCACCAATACCACTCGGGAGAGGAGG  
 GACATGATTTTGAACCTTGGCAAGCAGAATGCCTTCAAGGTATTCTTTGTGGAATCTGTGTGTGATGATC  
 CTGATGTCATTGCTGCCAATATTCTGGAGGTAAGGTGCAAGCCCTGACTACCCCGAAAGGAATAGGGA  
 GAATGTGATGGAGACTTCTGAAGAGAATTGAGTGTACAAGGTCACTTACCAGCCCTTGACCCAGAC  
 AACTATGATAAGGACCTCTCGTTCCATAAAGGTGATGAATGTAGGCCAGAGTTTCTGGTCAACAGAGTTC  
 AGGACTACATCCAGAGTAAGATTGTCTACTACCTGATGAACATCCATGTCCATCCTCGCACCATCTATCT  
 GTGCCGGCACGGAGAGCGAATTCAATCTTTGGGAAAGATTGGGGGTGACTCTGGCCTTTCTGTTGCGA  
 GGAAAGCAGTTTGTCTCAGGCTCTGAAGAAGTTTCTGGAGGAACAGGAGATCCAGGACCTCAAAGTGTGGA  
 CAAGCCAGTTGAAGAGGACAATTCAGACTGCTGAGTCTCTTGGGGTGACCTATGAGCAATGGAAGATCCT  
 AAATGAGATTGATGCTGGCGTGTGTGAGGAGATGACTTATTCGGAGATCGAACACGGTATCCAGAGGAA  
 TTTGCACTTCGAGATCAAGAGAAGTATCTGTATCGATATCCTGGTGGGGAGTCATACCAGGACCTGGTGC  
 AGCGGCTGGAGCCTGTGATCATGGAGCTGGAGCGGCAAGGCAACGTCCTCGTTATCTCTACCAGGCTGT  
 CATGCGCTGCCTCTGGCCTACTTCTTGGATAAAGGCGCAGATGAGTTGCCGTACTTGAGGTGCCCTC  
 CACATCATCTTCAAACCTACTCCTGTGGCCTATGTTGCAAAGTGGAAACAATTACACTGAATGTGGAAG  
 CTGTGGACACACATCGTGACAAGCCAAGTGAAGTGGAGAATGTGCTGGCTAAGCATAGACGCCCTCAAT  
 GGCATCCCTCACTTTGCTCTCTGA

**ACCGGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_080477

**Insert Size:** 1425 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\\_080477.3](#), [NP\\_536725.2](#)

RefSeq Size: 3575 bp

RefSeq ORF: 1425 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 (3) lacks two alternate in-frame exons in the 3' end of the coding sequence compared to variant 1. The resulting isoform (c) has the same N- and C-termini but is shorter compared to isoform a.