

Product datasheet for **RR200496**

Pfkfb2 (NM_080477) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pfkfb2 (NM_080477) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pfkfb2
Synonyms:	PFK-2; RH2K
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR200496 representing NM_080477
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCTGAGAATAGTACATTTTCCACAGAAGACAGCAGCAGCAGCTATAAACCCACGCCTCAAACC
 TCCGAAGGGCAGGGAAGAAATGCTCATGGGCTTCTACATGACCAACTCCCAACTCATTGTTATGAT
 TGGCTTGCAGCCCGGGTAAGACTTATGTGTCCAAGAAATTAACACGCTACCTGAACTGGATTGGAGTA
 CCTACCAAAGTGTAACTTTGGTGTATATCGACGGGAAGCAGTCAAGTCTATAAGTCTATGACTTCT
 TTCGACATGACAATGAAGAGGCCATGAAGATCCGCAAACAGTGTGCCCTGGTGGCACTGGAAGATGTGAA
 GGCCTACTTTACTGAAGAGAGTGGGCAGATCGCGGTGTTTGTGCCACCAATACCACTCGGGAGAGGAGG
 GACATGATTTTGAACCTTGGCAAGCAGAATGCCTTCAAGGTATTCTTTGTGGAATCTGTGTGTGATGATC
 CTGATGTCATTGCTGCCAATATTCTGGAGTAAAAGTGTCAAGCCCTGACTACCCCGAAAGGAATAGGGA
 GAATGTGATGGAGGACTTCTGAAGAGAATTGAGTGTACAAGGTCACTTACCAGCCCTTGACCCAGAC
 AACTATGATAAGGACCTCTCGTTTCAAAAGGTGATGAATGTAGGCCAGAGTTTCTGGTCAACAGAGTTC
 AGGACTACATCCAGAGTAAGATTGTCTACTACCTGATGAACATCCATGTCCATCCTCGCACCATCTATCT
 GTGCCGGCACGGAGAGCGAATTCAATCTTTGGGAAAGATTGGGGGTGACTCTGGCCTTTTCGTTGCGA
 GGAAAGCAGTTTGTCTCAGGCTCTGAAGAAGTTTCTGGAGGAACAGGAGATCCAGGACCTCAAAGTGTGGA
 CAAGCCAGTTGAAGAGGACAATTCAGACTGCTGAGTCTCTTGGGGTGACCTATGAGCAATGGAAGATCCT
 AAATGAGATTGATGCTGGCGTGTGTGAGGAGATGACTTATTCGGAGATCGAACACGGTATCCAGAGGAA
 TTTGCACTTCGAGATCAAGAGAAGTATCTGTATCGATATCCTGGTGGGGAGTCATACCAGGACCTGGTGC
 AGCGGCTGGGCCTGTGATCATGGAGCTGGAGCGGCAAGGCAACGTCCTCGTTATCTCTACCAGGCTGT
 CATGCGCTGCCTCTGGCCTACTTCTTGGATAAAGGCGCAGATGAGTTGCCGTACTTGAGGTGCCCCCTC
 CACATCATCTTCAAACCTACTCCTGTGGCCTATGGTTGCAAAGTGGAAACAATTACACTGAATGTGGAAG
 CTGTGGACACACATCGTGACAAGCCAAGTGAAGTGGAGAATGTGCTGGCTAAGCATAGACGCCCTCAAT
 GGCATCCCTCACTTTGCTCTCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR200496 representing NM_080477
 Red=Cloning site Green=Tags(s)

MSENSTFSTEDSSSSSYKPHASNLRRAGKKCSWASYMTNSPTLIVMIGLPARGKTYVSKKLTRYLNWIGV
 PTKVFNLGVYRREAVKSYKSYDFFRHDNEEAMKIRKQCALVALEDVKAYFTEESQIAVFDATNTTRERR
 DMILNFAKQNAFKVFFVESVCDDPDVIAANILEVKVSSPDYPERNRENVMEDFLKRIECYKVTYQPLDPD
 NYDKDLSEIKVMNVGQRFLVNRVQDYIQSKIVYYLMNIHVHPRTIYL CRHGESEFNLLGKIGGDSGLSLR
 GKQFAQALKKFLLEEQEIQDLKVVTSQPKRTIQTAESLGVTYEQWKILNEIDAGVCEEMTYSEIEQRYPEE
 FALRDQEKYLRYPPGESYQDLVQRLEPVIMELERQGNLVIHQAVMRCLLAYFLDKGADELPLYLRCP
 LHIIFKLTPVAYGCKVETITLNVAVDTHRDKPTEVENVLAKHRRPSMASLTLLS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

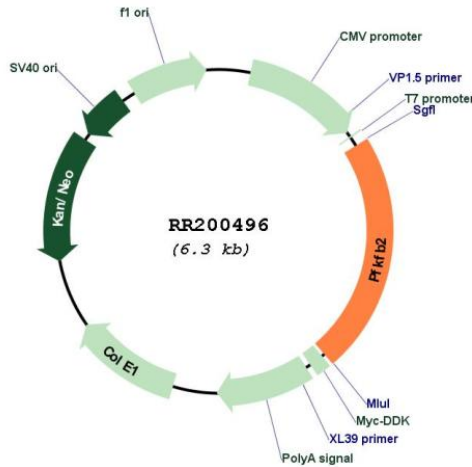
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_080477

ORF Size:

1422 bp

OTI Disclaimer:

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation:

This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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

MW: 54.8 kDa

Gene Summary: catalyzes the synthesis and degradation of fructose 2,6-bisphosphate [RGD, Feb 2006]