

Product datasheet for **RN214187**

Pfkfb4 (NM_019333) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pfkfb4 (NM_019333) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pfkfb4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN214187 representing NM_019333
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGTCCCCACGGAACTGACCCAGAATCCCCTGAAGAAGATCTGGATGCCATACAGCAATGGGAGGC
 CCGCCCTGCACGCCAGCCAACGTGGTGTCTGCATGACCAACTGCCGACACTCATCGTCATGGTGGGCCT
 GCCAGCCAGGGGCAAGACCTACATTTCTAAGAAGCTGACCCGGTACCTCAACTGGATTGGCGTGCCTACT
 CGGGAATCAACGTGGGTGAGTATCGCCGGGACATGGTCAAGACATACAAATCTTTGAGTTCTTCTCC
 CAGACAATGAAGAGGGCCTGAAAATCAGGAAGCAGTGTGCCTTGGCAGCCCTCAATGACGTCCGGAAGTT
 CCTCAGTGAGGAGGGGGACACGTGGCGGTTTTTGATGCTACCAATACCACCCGAGAACGGAGAGCGATG
 ATCTTTAACTTTGGAGAACAGAATGGCTATAAGACCTTCTTTGTTGAATCTATCTGTGTGGATCCTGAGG
 TCATTGCTGCCAATCGTGCAAGTGAAGCTGGGCAGCCCTGACTATGTGAACCGGGACAGCGACGAAGC
 CACTGAGGACTTCATGAGGCGCATTGAATGCTATGAAAATCCTATGAGTCTCTGGATGAAGAACAGGAC
 AGGGATCTGTCTACATCAAGATCATGGACGTGGGGCAGAGTTATGTGGTGAACCGTGTGCCGACCACA
 TCCAGAGTCGCATCGTTTATTACCTCATGAACATCCATGTGACACCCCGCTCCATCTACCTCGCCGGCA
 CGGGGAGAGTGAGCTCAACCTCAAGGGCCGGATTGGTGGGGACCTGGACTCTCCCCCGGGGCCGGGAG
 TTTTCAAAGCACCTAGCTCAGTTCATCAGTGACCAAGAATCAAGGACCTGAAGGTCTGGACGAGCCAGA
 TGAAGAGGACGATCCAGACAGCCGAGGCGCTGAGTGTCCCTTATGAGCAGTGAAGGTCTCAACGAGAT
 TGACGCGGGTGTCTGTGAGGAAATGACCTACGAAGAAATCCAGGACCACTACCCGCTGGAGTTTGTCTG
 AGGACCAGGACAAGTACCGGTACCGCTACCCGAAGGGCGAGTCCATGAAGACCTGGTGCAGCGGCTGG
 AGCCTGTATCATGGAGCTGGAGAGGCAGGAGAACGTGCTAGTCATTTGCCACCAGGCTGTGATGCGTTG
 CCTCCTGGCCTACTTCTTGACAAGGCAGCAGAAGAGTGCCTACCTCAAATGCCCTTGCACACAGTC
 CTGAAGCTCACACCTGTGGCTTACGGTTGTAAAGTGGAGTCCATATTCCTGAATGTGGCAGCTGTGAACA
 CACACCGAGACAGACCTCAGAATGTAGACATATCCAGGCCTTCAGAGGAAGCCCTGTGCACAGTTCTGCT
 TCACCA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_019333
- 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).
- 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_019333.1](#), [NP_062206.1](#)
RefSeq Size: 1739 bp
RefSeq ORF: 1410 bp
Locus ID: 54283
UniProt ID: [P25114](#)
Cytogenetics: 8q32
Gene Summary: has both fructose-2,6-bisphosphate 2-phosphatase and 6-phosphofructo-2-kinase activities; plays a role in fructose 2,6 bisphosphate metabolism and regulation of glycolysis [RGD, Feb 2006]