

Product datasheet for RN207973

Ptk2b (NM_017318) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ptk2b (NM_017318) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ptk2b
Synonyms:	CAKB; CAK beta; CAKbeta; Pyk2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN207973 representing NM_017318 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCGGGTGTCTGAGCCCCTGAGCCGTGTAAAAGTGGGCACTTTGCGCCCGCCGAGGGCCCCCAG
AGCCCATGGTAGTGGTACCAGTAGACGTGGAGAAGGAAGACGTGCGTATCCTCAAGGTCTGCTTCTACAG
CAACAGCTTCAACCCAGGAAGAAGTCAAGCTTGTCAAATGCACAGTGCAGACAGATCCAGGAGATC
ATCACCTCCATCCTCCTGAGTGGGCGAATAGGGCCCAACATCCAGCTGGTGAATGCTATGGGCTGAGGC
TGAAGCAGATGAAGTCAGATGAGATCCACTGGCTGCACCCACAGATGACTGTGGGCGAAGTGCAGGACAA
GTATGAATGTCTACACGTGGAGGCTGAGTGGAGGTATGACCTTCAAATCCGCTATTTGCCAGAAGACTTC
ATGGAGAGCCTGAAAGAAGACAGGACTACACTGCTGTACTTTTATCAACAGCTCCGGAATGACTACATGC
AACGCTATGCCAGCAAGGTCAAGTGAAGGCATGGCTCTGCAGCTGGGCTGTCTGGAGCTCAGGAGATTCTT
CAAGGACATGCCCCACAATGCACCTTGACAAAAAGTCCAACCTTTGAACTCCTGGAAAAAGAAGTCGGTCTG
GACCTGTTTTTCCCAAAGCAAATGCAGGAAAACTTAAAGCCCAAGCAGTTCGGAAAGATGATCCAGCAGA
CCTTCCAGCAGTATGCATCACTCCGGGAGGAAGAGTGTGTATGAAATCTTCAATACTCTGGCAGGCTT
TGCCAACATCGACCAGGAGACCTATCGCTGTGAACTCATTCAAGGTGGAACATTACTGTGGACCTGGTC
ATTGGCCCTAAAGGCATCCGTGAGTGCAGTCAAGTCAAGACAAAAGCCACCTGCCTCGCCGAGTTCAAGC
AGATCAGATCCATCAGGTGCCTCCCTTGGAAAGAGACCCAGGCAGTACTGCAGCTGGGCATCGAGGGTGC
CCCCAGTCCCTTGCATCAAAACCTCGTCCCTGGCAGAGGCTGAGAACATGGCTGACCTCATAGATGGC
TACTGCAGGCTTCAAGGAGAGCATAAAGGCTCTCTCATATTCATGCCAAGAAAGATGGTGAAGAAGGA
ACAGCCTGCCTCAGATCCCCACACTAAACCTGGAGTCTCGGCGGTCCCACCTCTCAGAAAGCTGTAGCAT
AGAGTCAGACATCTATGCAGAGATTCTGATGAGACCCTGCGAAGGCCAGGAGGCCACAGTATGGTGT
GCCCGTGAAGATGATGTTCTTAACCGCATTCTGGGTGAAGGCTTCTTCCGGGAGGCTACGAAGGTGTCT
ACACGAACCATAAAGGGGAAAAAATTAATGTGGCCGTCAAGACCTGTAAGAAAGATTGTACCTGGACAA
CAAGGAGAAGTTCATGAGTGAGGCAGTATCATGAAGAATCTTGACCACCTCACATCGTCAAGCTGATT



[View online >](#)

```

GGCATCATTGAAGAGGAACCCACATGGATCGTCATGGAAGTGTATCCTTATGGGGAGCTGGGACACTACC
TGGAGCGAAATAAAAATTCCTGAAGGTACCCACTCTGGTCTGTACGCTCTGCAGATATGCAAAGCCAT
GGCCTATCTGGAGAGCATCAACTGTGTCCACAGGGATATTGCTGTCCGGAACATCCTGGTGGCCTCTCT
GAGTGTGTGAAGCTCGGGGACTTTGGGCTCTCCCGGTACATTGAGGATGAGGACTATTACAAAGCTTCCG
TGACCCGCTCTCCCATCAAATGGATGTCCCCGAGTCCATCAACTTTCGCCGCTTTACAACCGCCAGTGA
CGTCTGGATGTTTGTGTATGCATGTGGGAGATCCTCAGCTTTGGGAAGCAGCCTTTCTTCTGGCTTGAA
AACCAAGGATGTATCGGGGTGCTGGAGAAAGGGGACAGGCTGCCTAAGCCCGAAGCTTGCCTCCGCTGTC
TTTACACACTCATGACCCGCTGCTGGGACTATGACCCAGCGACCGCCCGCTTTACGGAGCTTGTGTG
CAGTCTCAGTGACATTTATCAGATGGAGAGGGACATTGCAATAGAACAAGAAAGGAACGCTCGTTACCGA
CCCCCAAATATTGGAGCCCACTGCTTTTCAGGAACCCCAACCAAGCCAGCCGGCCCAAGTACAAAC
ACCCTCCACAGACCAATCTGCTGGCTCCTAAGCTGCAGTTCAGGTCCCTGAGGGTCTGTGTGCCAGCTC
TCCTACACTTACGAGCCCTATGGAGTATCCATCTCCAGTTAACTCGTGCACACCCCGCCTCTGCACCGA
CACAATGTCTTCAAGCGCCACAGCATGCGGGAGGAGGACTTATCCGGCCAGTAGTCGAGAAGAGGCC
AGCAGCTCTGGGAGGCAGAGAAGATCAAGATGAGGCAGGTCTAGACAGACAGCAGAAGCAAATGGTGG
AGATTCAGTGGCTGAGGCGGGAGGAAAGATGCTTGGACCCGATGGTTTATATGAATGACAAGTCCCCA
CTGACCCAGAGAAGGAGCCGGCTACACGGAGTTCACAGGGCCCCCAGAAGCCACCAGCGCTCGGTG
CACAGTCCATCCAGCCTACAGCCAACTTGACAGGACTGATGACCTCGTGTACCAATGTCATGACCCCT
GGTGGAGGCCGTGCTGGAAGTCAAGAACAAGCTCAGCCAGCTGCCTCCTGAGGATATGTGGTGGTGGT
AAGAATGTGGGGCTGAACCTGCGGAAGCTCATCGGTAGCGTGGACGATCTCTACCTCCTTGCCAGCAT
CTTCTAGAACAGAGATTGAAGGGACCCAGAAACTGCTCAACAAAGACCTGGCAGAGCTCATCAACAAGAT
GAGGTTGGCTCAGCAGAACGCTGTGACATCCCTAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGA
CATACCTGGCTGTGGATGCCAAGAACCTCCTGGATGCTGTAGACCAAGCCAAGGTTGTGGCTAATCTGG
CCCACCCGCTGCAGAGTGA
    
```

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_017318

Insert Size:

3030 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_017318.2](#), [NP_059014.2](#)
RefSeq Size:

3907 bp

RefSeq ORF:

3030 bp

Locus ID: 50646

UniProt ID: [P70600](#)

Cytogenetics: 15p12

Gene Summary: may phosphorylate focal adhesion kinase FAK; may play a role in actin cytoskeleton reorganization; may mediate thrombin induced astrocyte proliferation [RGD, Feb 2006]