

## Product datasheet for **MR204380**

### PPP2CB (NM\_017374) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PPP2CB (NM_017374) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PPP2CB
Synonyms:	A1115466; D8ErtD766e; PP2Ac
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR204380 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGACGACAAGGCGTTCACCAAGGAGCTGGACCAGTGGGTGGAGCAGCTGAACGAGTGTAAAGCAGCTGA  
ACGAGAACCAAGTGGGACGCTGTGCGAGAAGGCTAAGGAAATTTAACGAAAGAATCAAATGTGCAAGA  
GGTCCGCTGTCTGTACCGTCTGTGGAGATGTGCATGGCCAATCCATGACCTTATGGAGCTCTTCAGA  
ATTGGTGGGAAATCACCAGATACGAACTACCTATTCATGGGGGACTATGTAGACAGAGGGTACTACTCTG  
TGGAGACTGTGACTCTTCTGTAGCATTAAAGGTGCGCTATCCAGAGCGCATCACAAATTTGCGAGGAAA  
TCACGAAAGCCGGCAGATCACACAAGTGTATGGCTTTTATGATGAGTGCCTACGGAAGTATGAAATGCC  
AACGTGTGAAATACTTTACAGATCTCTTTGATTATCTTCCACTTACAGCTTTAGTAGATGGACAGATAT  
TCTGCCTCCACGGTGGCCTGTCTCCATCCATAGATACTGGACCACATAAGAGCCCTGGATCGCTTGCA  
AGAAGTCCACATGAGGGCCCAATGTGTGATCTTTATGGTCAGATCCGGATGACCGTGGCGGCTGGGGC  
ATTTCTCCACGTGGTGTGGCTACACATTTGGACAAGACATTTCTGAAACATTTAACCATGCCAACGGTC  
TCACACTGGTGTCTCGTGTCTACCAGCTTGTAAATGGAAGGATATAACTGGTCCATGATCGGAATGTGGT  
CACCATTTTTAGTGGCCCAATTAAGTGTACCGTTGTGGGAACCGGCTGCTATCATGGAATTAAGATGAC  
ACTTTAAATATTCATTTCTTCAGTTTGACCCAGCACCTCGTCGTGGAGAGCCTCATGTGACCCGGCGCA  
CCCCAGACTACTTCTCTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR204380 protein sequence  
Red=Cloning site Green=Tags(s)

MDDKAFTKELDQWVEQLNECKQLNENQVRTLCEKAKEILTKESNVQEVRCPVTVCGDVHGQFHDLMELEFR  
 IGGKSPDTNYLFMGDYVDRGYYSVETVLLVALKVRYPERITILRGNHESRQITQVYGFYDECLRKYGNA  
 NVWKYFTDLFDYLPALTALVDGQIFCLHGGLSPSIDTLDIRALDRLQVEPHEGPMCDLLWSDPDRGGWG  
 ISPRGAGYTFGQDISETFNHANGTLVSRHQQLVMEGYNWCHDRNVVTFIF SAPNYCYRCGNQAAIMELDD  
 TLKYSFLQFDPAPRRRGEHVTRTRTPDYFL

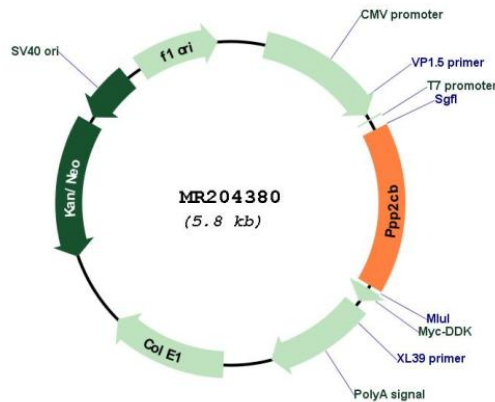
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_017374

**ORF Size:** 927 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_017374.3</a> , <a href="#">NP_059070.1</a>
<b>RefSeq Size:</b>	1836 bp
<b>RefSeq ORF:</b>	930 bp
<b>Locus ID:</b>	19053
<b>UniProt ID:</b>	<a href="#">P62715</a>
<b>Cytogenetics:</b>	8 20.63 cM
<b>MW:</b>	35.6 kDa
<b>Gene Summary:</b>	PP2A can modulate the activity of phosphorylase B kinase casein kinase 2, mitogen-stimulated S6 kinase, and MAP-2 kinase.[UniProtKB/Swiss-Prot Function]