

Product datasheet for MR203742

PPP2CB (BC019161) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPP2CB (BC019161) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PPP2CB
Synonyms:	A115466; D8Ertd766e; PP2Ac
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203742 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACGACAAGGCGTTACCAAGGAGCTGGACCAGTGGGTGGAGCAGCTGAACGAGTGAAGCAGCTGA
ACGAGAACCAAGTGGGACGCTGTGCGAGAAGGCTAAGGAAATTTAACGAAAGAATCAAATGTGCAAGA
GGTCCGCTGTCTGTTACCGTCTGTGGAGATGTGCATGGCCAATCCATGACCTTATGGAGCTCTCAGA
ATTGGTGGGAAATCACCAGATACGAACTACCTATTCATGGGGACTATGTAGACAGAGGCTACTACTCTG
TGGAGACTGTGACTCTTCTGTAGCGTTAAAGGTGCGCTATCCAGAGCGCATCACAATATTGCGAGGAAA
TCACGAAAGCCGGCAGATCACACAAGTGTATGGCTTTATGATGAGTGCCTACGGAAGTATGGAAATGCC
AACGTGTGGAAATACTTTACAGATCTCTTTGATTATCTTCCACTTACAGCTTTAGTAGATGGACAGATAT
TCTGCCTCCACGGTGGCCTGTCTCCATCCATAGATACACTGGACCACATTTCTCCACGTGGTGTGGCTA
CACATTTGGACAAGACATTTCTGAAACATTTAACCATGCCAACGGTCTCACACTGGTGTCTCGTGTCTCAC
CAGCTTGAATGGAAGGATATAACTGGTGCCATGATCGGAATGTGGTCACCATTTTTAGTGCGCCCAATT
ACTGCTACCGTTGTGGGAACCAGGCTGCTATCATGGAATTAGATGACACTTTAAATATTCATTTCTTCA
GTTTGACCCAGCACCTCGTCGTGGAGAGCCTCATGTGACCCGGCGCACCCAGACTACTTCTCTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR203742 protein sequence
 Red=Cloning site Green=Tags(s)

MDDKAFTKELDQWVEQLNECKQLNENQVRTLCEKAKEILTKESNVQEVRCPVTVCGDVHGQFHDLMELEFR
 IGGKSPDTNYLFMGDYVDRGYYSVETVLLVALKVRYPERITILRGNHESRQITQVYGFYDECLRKYGNA
 NVWKYFTDLFDYLPALTALVDGQIFCLHGGLSPSIDTLDHISPRGAGYTFGQDISETFNHANGLTLVSRRAH
 QLVMEGYNWCHDRNVVTIF SAPNYCYRCGNQAAIMELDDTLKYSFLQFDPAPRRGEPHVTRRTPDYFL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: BC019161

ORF Size: 834 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: [BC019161](#), [AAH19161](#)

RefSeq Size: 1532 bp

RefSeq ORF: 836 bp

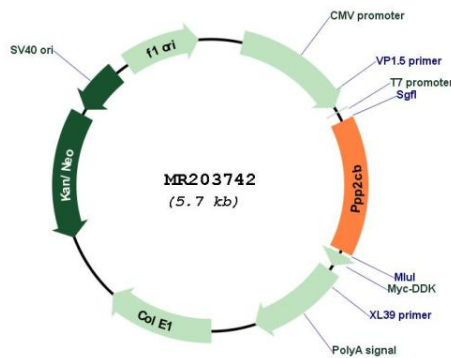
Locus ID: 19053

Cytogenetics: 8 20.63 cM

MW: 32.1 kDa

Gene Summary: PP2A can modulate the activity of phosphorylase B kinase casein kinase 2, mitogen-stimulated S6 kinase, and MAP-2 kinase.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR203742