

Product datasheet for **MG203742**

PPP2CB (BC019161) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPP2CB (BC019161) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PPP2CB
Synonyms:	A1115466; D8Ertd766e; PP2Ac
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203742 representing BC019161 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACGACAAGGCGTTCACCAAGGAGCTGGACCAGTGGGTGGAGCAGCTGAACGAGTGTAAAGCAGCTGA
ACGAGAACCAAGTGGGACGCTGTGCGAGAAGGCTAAGGAAATTTAACGAAAGAATCAAATGTGCAAGA
GGTCCGCTGTCTGTTACCGTCTGTGGAGATGTGCATGGCCAATCCATGACCTTATGGAGCTCTTCAGA
ATTGGTGGGAAATCACCAGATACGAACTACCTATTCATGGGGACTATGTAGACAGAGGCTACTACTCTG
TGGAGACTGTGACTCTTCTGTAGCGTTAAAGGTGCGCTATCCAGAGCGCATCACAATATTGCGAGGAAA
TCACGAAAGCCGGCAGATCACACAAGTGTATGGCTTTTATGATGAGTGCCTACGGAAGTATGGAAATGCC
AACGTGTGGAAATACTTTACAGATCTCTTTGATTATCTTCCACTTACAGCTTTAGTAGATGGACAGATAT
TCTGCCTCCACGGTGGCCTGTCTCCATCCATAGATACACTGGACCACATTTCTCCACGTGGTGTCTGGCTA
CACATTTGGACAAGACATTTCTGAAACATTTAACCATGCCAACGGTCTCACACTGGTGTCTCGTGTCTCAC
CAGCTTGAATGGAAGGATATAACTGGTGCCATGATCGGAATGTGGTCACCATTTTTAGTGCGCCCAATT
ACTGCTACCGTTGTGGGAACCAGGCTGCTATCATGGAATTAGATGACACTTTAAATATTCATTTCTTCA
GTTTGACCCAGCACCTCGTCGTGGAGAGCCTCATGTGACCCGGCGCACCCAGACTACTTCTCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG203742 representing BC019161
 Red=Cloning site Green=Tags(s)

MDDKAFTKELDQWVEQLNECKQLNENQVRTLCEKAKEILTKESNVQEVRCPVTVCGDVHGGQFHDLMELEFR
 IGKSPDTNYLFMGDYVDRGYYSVETVLLVALKVRYPERITILRGNHESRQITQVYGFYDECLRKYGNA
 NVWKYFTDLFDYLPLTALVDGQIFCLHGGLSPSIDTLDHISPRGAGYTFGQDISETFNHANGLTLVSRAH
 QLVMEGYNWCHDRNVVTFISAPNYCYRCGNQAAIMELDDTLKYSFLQFDPAPRRGEPHVTRRTPDYFL

TRTRPLE - GFP Tag - V

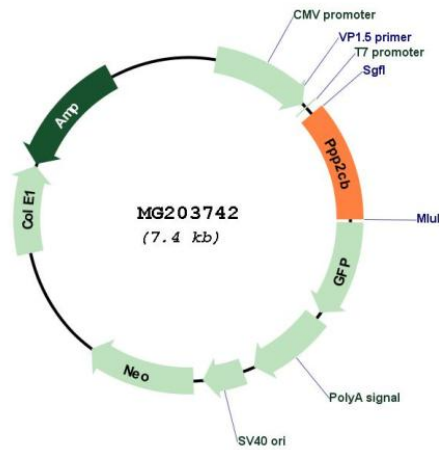
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: BC019161

ORF Size: 836 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:	<ol style="list-style-type: none">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
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]