

Product datasheet for **MR207212**

Ppp2r5c (NM_001081458) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ppp2r5c (NM_001081458) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ppp2r5c
Synonyms:	2610043M05Rik; 2700063L20Rik; AI060890; AW545884; C85228; D12Bwg0916e; mKIAA0044
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR207212 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGTTGACATGTAATAAAGCGGGCAGCGGGATGGTGGTGGATGCGGCCAGCTCCAACGGGCTTTCCAGC
 CCGTGGCCCTTCCACATTCGAGATGTTCTCTCGCGATCAAGAGAAGCTTTTATCCAGAAGCTACG
 CCAGTGTGTGTCTCTTTGACTTTGTCTCTGACCCACTGAGTGACCTGAAGTGGAAAGGAAGTAAAGCGC
 GCTGCGCTGAGCGAGATGGTGGAGTATACACCCACAACCGAACGTGATCACGGAGCCATTTACCCCG
 AGGCCGTCACATGTTTGCAGTTAACATGTTCCGAACCTTGCCACCTTCTCCAATCCCACGGGAGCAGA
 ATTCGACCCAGAAGAGGATGAACCAACGTTAGAAGCAGCCTGGCCTCATCTGCAGCTTGTATGAATTT
 TTCTTAAGATTTTAGAGTCTCCAGATTTCCAACCAATATAGCAAAGAAATATATTGATCAGAAGTTG
 TATTGCAGCTTCTAGAGCTGTTTACAGCGAGGATCCTCGGGAGAGAGATTTTCTAAAACCACCCTGCA
 CAGAATCTATGGGAAGTCTTAGGCCTGCGTGCTTACATCAGGAAACAGATCAATAATATATTTTATAGG
 TTTATCTATGAGACAGAGCATACAATGGCATAGCGGAGTTACTGGAGATCCTGGGAAGTATAATTAATG
 GATTTGCCTTACCACTGAAGGAGGAACAAGATTTTCTGCTGAAGGTGTTGCTGCCCTTGACAAAAGT
 GAAGTCCCTGAGTGTCTACCATCCCGAGCTGGCGTACTGTGTCGTGACGTTTTAGAGAAGGACAGCACC
 CTCACTGAACCAAGTGAATGGCACTTCTCAAATACTGGCCAAAGACTCACAGTCCAAAAGAAAGTAAATGT
 TCTTAAATGAATTAGAAGAAATTTAGATGTAATTGAACCATCAGAGTTTGTGAAGATCATGGAGCCTCT
 TTTCCGACAGTTAGCCAAATGTGTTTCCAGCCCTCACTCCAGGTGGCCGAGCGGGCGCTCTATTACTGG
 AACACGAGTACATCATGAGTTTAAATCAGTGACAACGCAGCGAAGATTCTGCCCATCATGTTTCCGTCTT
 TATACCGCAACTCAAAGACCCACTGGAACAAGACAATACACGGCTTGATATACAACGCCCTGAAACTCTT
 CATGGAGATGAACCAAAAACCTTTCGATGACTGCACTCAGCAGTTCAAAGCAGAGAAAACCAAAGAGAAG
 CTA AAAATGAAAGAGCGAGAAGAAGCATGGGTTAAAATAGAAAATCTAGCCAAAGCGAATCCCCAGGTAC
 TAAAAAGAGAGTA ACTCGGAGTGT

ACGCGTACGCGGCCGCTCGAGCAGAAAATCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207212 protein sequence
 Red=Cloning site Green=Tags(s)

MLTCNKAGSGMVVDAASSNGPFQPVALLHIRDVPPADQEKLFIQKLRQCCVLFDFVSDPLSDLKWKEVKR
 AALSEMVEYITHNRNVIETPIYPEAVHMFVNMFRLLPSSNPTGAEFDPEDEPTLEAAWPHLQLVYEF
 FLRFLESPDFQPNIAKKYIDQKFLVQLLELFDSEDPREDFLKTTLHRIYKFLGLRAYIRKQINNIFYR
 FIYETEHNGIAELLEILGSIINGFALPLKEEHKIFLLKVLPLHKVKSLSVYHPQLAYCVVQFLEKST
 LTEPVVMALLKYWPKTHSPKEVMFLNELEEILDVIEPSEFVKIMEPLFRQLAKCVSSPHFQVAERALYYW
 NNEYIMSLISDNAKILPIMFPSLYRNSKTHWNKTIHGLIYNALKLFMEMNQKLFDDCTQQFKAELKKEK
 LKMKEREEAWVKIENLAKANPQVLKRVVTREC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

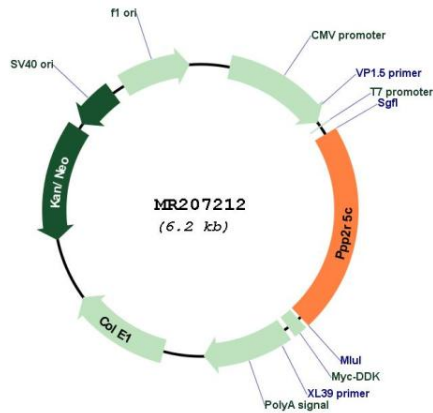
SgfI-MluI

Cytogenetics: 12 60.56 cM

MW: 52.8 kDa

Gene Summary: The B regulatory subunit might modulate substrate selectivity and catalytic activity, and also might direct the localization of the catalytic enzyme to a particular subcellular compartment. The PP2A-PPP2R5C holoenzyme may activate TP53 and play a role in DNA damage-induced inhibition of cell proliferation. PP2A-PPP2R5C may also regulate the ERK signaling pathway through ERK dephosphorylation (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR207212