

Product datasheet for **MR218366**

PPP2R1A (NM_016891) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPP2R1A (NM_016891) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PPP2R1A
Synonyms:	6330556D22Rik; PP2A; PR65
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR218366 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCAGCTGCCGACGGTGACGATTCGCTCTATCCTATTGCGGTGCTCATAGATGAACTCCGCAATGAGG
 AGTTTCAGCTTCGTCTCAATAGTATCAAGAAGCTCTCCACAATTGCCTTGGCCCTTGGGGTTGAACGGAC
 CAGAAGTGAGCTCCTGCCCTTCCTTACAGATACCATTTATGATGAAGATGAGGTCCTCTTGGCCTTGGCT
 GAACAGCTGGGAACCTTCACAACTTTGGTGGGAGGGCCTGAGTATGTGCACTGTCTGCTGCCACCCCTTG
 AGTCACTGGCCACAGTGAAGAGACAGTACGAGACAAGGCGGTAGAATCCTTGGGGCCATCTCTCA
 TGAGCACTCACCTCCGATCTAGAGGCTCACTTTGTGCCTCTGGTAAAGCGGCTGGCGGGTGAGACTGG
 TTCACCTCCCGCACCTCGGCCTGTGGTCTCTTCTCAGTTTGTACCCCGAGTATCCAGTGCCGTGAAGG
 CAGAACTCGACAGTACTCCGGAACCTGTGCTCAGATGACACCCCATGGTGGCGGGGGCCGCTGCCTC
 CAAGCTGGGGGAATTTGCCAAGTACTGGAGCTGGACAATGTCAAGAGTGAGATCATTCCATGTTCTCT
 AACCTGGCCTCTGACGAGCAGGACTCGGTGCGGCTGTGGCAGTGGAGGCATGTGTGAATTTGCCACGC
 TTCTGCCACAGGAGGACCTGGAGGCCTTAGTGATGCCACCTTGCAGACAGCTGTGAGGACAAGTCTTG
 GCGTGTTCGCTACATGGTGGCCGACAAGTTCACAGAGCTCCAGAAAGCAGTGGGGCTGAGATCACCAAG
 ACAGATCTGGTGCCTGCCTTCCAGAACCTGATGAAGGACTGTGAGGCCGAGGTGAGGGCCGACGCTCCC
 ACAAGGTCAAAGATTCTGTGAAAATCTCTCAGCTGACTGCCGGGAGAATGTGATCATGACTCAGATCTT
 GCCCTGCATCAAGGAACCTGTGTGATGCAACCAACATGTCAAGTCAGCACTGGCTTCAGTCAATG
 GGCCTCTCTCCATTCTGGGCAAAGACAACACCATCGAACACCTTTGCCCTGTTCTTGGCTCAGCTGA
 AGGATGAGTGTCTGAAGTCCGACTGAATATCATCTCCAACCTGGATTGTGTGAACGAGGTGATTGGCAT
 CAGGCAGCTCTCTCAGTCCCTGCTTCTGCCATCGTGGAAGTGAAGATGCCAAGTGGCGAGTGCGG
 CTGGCCATCATTGAATACATGCCTCTGCTGGTGGACAGCTTGGTGTGGAATTTTTTGTGAGAACTAA
 ACTCTTTGTGATGGCCTGGCTAGTGGATCATGTCTATGCTATCCGTGAGGCTGCCACCAGCAACCTTAA
 GAAATTAGTAGAGAAGTTCGGAAGGAGTGGGCCATGCCACTATCATCCCAAGGCTTAGCCATGTCT
 GGAGACCCTAACTACCTGCACCGAATGACTACACTCTTCTGCATCAATGTGTTGTCTGAGGTCTGTGGAC
 AGGATATACCACCAAGCACATGCTGCCACAGTTCTTCGTATGGCAGGGGACCCAGTTGCCAATGTCCG
 CTTCAATGTGGCCAAGTCACTCCAGAAGATAGGACCCATTCTTGATAACAGCACCTGCAGAGTGAAGTC
 AAGCCCATCTGGAGAAGCTGACCCAGGACCAGGATGTGGATGTCAAGTACTTTGCCAGGAGGCTCTGA
 CTGTTCTCTCTTGCC

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR218366 protein sequence
 Red=Cloning site Green=Tags(s)

MAAADGDDSLYPIAVLIDELRNEDVQLRLNSIKKLSIALALGVERTRSELLPFLTDIYDEDEVLLALA
 EQLGFTTTLVGGPEYVHCLLPPLSLATVEETVVRDKAVESLRAISHEHSPDLEAHFVPLVKRLAGGDW
 FTSRTSACGLFSVCYPRVSSAVKAELRQYFRNLCSDDTPMVRRAAASKLGEFAKVLDELNDVKSEIIPMFS
 NLASDEQDSVRLLAVEACVNIAQLLPQEDLEALVMPTLRQAAEDKSWRVRYMVAADKFTLQKAVGPEITK
 TDLVPAFQNLMDCEAEVRAAASHKVKEFCENLSADCRENVIMTQILPCIKELVSDANQHVKVSALASVIM
 GLSPILGKDNTIEHLLPLFLAQLKDECEVRLNIISNLDYNEVIGIRQLSQSLLPAIVELAEADAKWRVR
 LAIEYMPLLAGQLGVEFFDEKLNLSLMAWLVDHYAIREAATSNLKKLVEKFGKEWAHATIIPKVLAMS
 GDPNYLHRMTTLFCINVLSEVCGQDITTKHMLPTVLRMAGDPVANVRFVAKSLQKIGPILDNSTLQSEV
 KPILEKLTQDQDVVQYFAQEALTVLSLA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

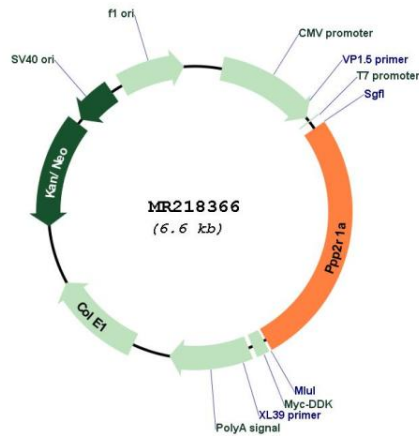
SgfI-MluI

Cytogenetics: 17 A3.2

MW: 65.3 kDa

Gene Summary: The PR65 subunit of protein phosphatase 2A serves as a scaffolding molecule to coordinate the assembly of the catalytic subunit and a variable regulatory B subunit (PubMed:10100624). Upon interaction with GNA12 promotes dephosphorylation of microtubule associated protein TAU/MAPT (By similarity). Required for proper chromosome segregation and for centromeric localization of SGO1 in mitosis (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR218366