

## Product datasheet for **MR210812**

### **PPP4R3B (NM\_134034) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	PPP4R3B (NM_134034) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PPP4R3B
Synonyms:	AW011752; AW557776; mKIAA1387; Smek2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide  
Sequence:

>MR210812 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGTCGGATACACGGAGCGAGTGAAGGTCTATACCCCTAACGAAGACCGCAATGGGACGACCGAGGCA  
 CCGGGCAGTCTCTCCACTTACGTAGAGGAGCTCAAGGGGATGTCGCTGCTGGTTGTCGCGAGTCCGA  
 CGGATCGCTACTCTTAGAGTCAAAGATAAATCCAAACTGCATATCAGAAAACAGCAGGATACATTAATT  
 GTTTGGTCAGAAGCTGAAAATGATCTGGCTTAAGTTTTCAAGAAAAAGCTGGCTGTGATGAAATTT  
 GGGAAAAATTTGTCAAGTTCAAGGTAAGGACCCATCAGTAGAAGTACACAGGACCTCATTGATGAATC  
 TGAAGAAGAACGATTTGAAGAAATGCCAGAACTAGTCATCTAATTGACCTGCCACATGTGAACCTCAGT  
 AAAGTTGAAGAGATTGCTGACTTAGTTACCTCAGTTCTCTCCTCACCTATCCGTAGGGAAAAGCTGGCTC  
 TGGCCTTGAAAAATGAAGGCTATATCAAAAACTACTACAGCTATTCCAAGCTTGTGAGAACCTAGAAAA  
 CACTGAAGGCTTACACCATCTGTATGAAATTATTAGAGGAATCTTATTCCTAAATAAGGCAACACTTTTT  
 GAGGTAATGTTTTCTGATGAGTGTATCATGGATGTCGTGGGATGCCTTGAATATGATCCTGCTTTGGCTC  
 AGCCAAAAAGACATAGAGAATTCTTAATAAAAAGTAAAAGTTTAAAGGAAGTTATACCAATAACAGATTC  
 GAACTAAGGCAAAAAATACATCAGACTTACAGGGTACAGTACATTACAGGACATCATTTTGCCTACACCA  
 TCTGTTTTGAAGAAAATTTCTTTTCTACTCTTACATCTTTTATTTTCTTCAACAAAAGTTGAAATAGTCA  
 GCATGCTGCAGGAAGATGAGAAGTTTTGTCTGAAGTTTTTGCACAATTAACAGATGAAGCTACAGATGA  
 TGATAAACGGCGCGAGTTGGTTAATTTCTTCAAGAATTTGTGCATTTTCTCAGACATTGCAACCTCAG  
 AACAGGGATGCTTTTTTCAAACTTACAGAAATTTGGAAATTTCCAGCTCTTGAATTTAGTCCATCCAT  
 TGGCAGCTTGAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGT  
 GGTCAGAGATTTGTGATGTCAGGAAGCCAGCAGAGTGTGATGATGACTTCTTATTAATGTGGTGATT  
 GAACAGATGATTTGTGACTGACCCTGAGCTCGGAGGTGCTGTTTCAAGTAAATGGGACTTCTTCTGACTC  
 TAATTGATCCAGAGAACATGTTGGCTACAATAAAAAGTAAAAGAGTGAAGTCTTAAATTTCTTCTA  
 CAACCATGATGCATGTTCTCACTGCTCCACTTTTGACCAATACGTCAGAAAGACAAATGCGAGAAAGAT  
 AATATGCTTGGATCTAACACAACCAACACAATTTGCCCTGATAATTATCAAAACAGCAGCTGCTTGCTT  
 TAATTTTAGAGTTACTCACATTTTGTGTGAACATCACACATACCACATAAAAAACTACATCATGAACAA  
 GGACTTGCTAAGAAGAGTCTTGGTGTGATGAATTTCAAAGCACACTTTTCTGGCCTTGTGTGCTCTTCGC  
 TTTATGAGGCGAATAATTGGCCTGAAAGATGAATTTTATAATCGTTACATCACCAAGGAAATCTTTTTG  
 AGCCAGTTATAAATGCCCTTTTGGATAATGGAACTCGGTACAATCTTTTAAATTCAGCTGTTATTGAATT  
 GTTTGAATTTATAAGAGTGGAAGATATCAAGTCTCTTACTGCACATATAGTTGAAAATTTTATAAAGCA  
 CTTGAATCGATTGAATATGTTTCAAGATTTCAAAGGATTGAAGACTAAATATGAACAAGAAAAAGACAGAC  
 AAAATCAGAACTGAACAGTGTACCATCTATATTGCGTAGTAAACCGATTTTCGAGAGATGCAAAAAGCCTT  
 AGAAGAGGATGAAGAAATGTGGTTAATGAAGATGATGATGAAGAAGGAAAGGCAGTCATAACACCAGTT  
 GAAAAATCTAAGACTGAAGATGATTTTCCAGATAGTTATGAAAAATTTATGGAACTAAAAAAGCAAAAG  
 AAAGTGAAGACAAAGAAAACCTTCCAAAAGGGCATCATCTGGTGGCTTCAAATTTACTTTCTCCATTCT  
 CCCAGTGTACTAATGGAACAAACAGTACAAACAGTAAAGTCTGTAGTGAGTCAGACAACACCAGCAAGT  
 TCTAATGTGGCCTTCCAAAACACTACAAGCCTGGCTACATCAGTACAGCCACAAAGGAAATTTGGTTG  
 GCTTGGTAGACTATCCAGATGATGAAGAGGAAGATGAGGAAGAAGAAATCATCCCCTAGGAAAAGACCTCG  
 CCTGGGCTCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR210812 protein sequence  
Red=Cloning site Green=Tags(s)

MSDTRRRVKVYTLNEDRQWDDRGTGHVSSSTYVEELKGMSLLVRAESDGSLLLLESKINPNTAYQKQDQTLI  
VWSEAEYDLALSFQEKAGCDEIWEKICQVQKDPVSVETQDLIDSEEEERFEEMPETSHLIDLPTCELS  
KLEEIADLVTSVLSPIRREKLALALENEGYIKLLQLFQACENLENTEGLHHLYEIIRGILFLNKATLF  
EVMFSDDECIMDVVGCLEYPALAQPKRHREFLTKAKFKEVIPIITDSELRQKIHQTYRVQYIQDIILPTP  
SVFEENFLSTLTSFIFFNKVEIVSMLQEDEKFLSEVFAQLTDEATDDDKRRELVNFFKEFCFASQTLQPQ  
NRDAFFKTLAKLILPALEIVMGVDDLQVRSAAATDIFSYLVEFSPSMVREFVMQEAQQSDDVLLINVVI  
EQMICDTPELGGAVQLMGLLRTLIDPENMLATTNKTEKSEFLNFFYNHCHMHLTAPLLTNTSEDKCEKD  
NMLGSNTTNTICPDNYQTAQLLALILELLTFCVEHHTYHIKNYIMNKDLLRRVLLMNSKHTFLALCALR  
FMRRIIIGLKDEFYNRYITKGNLFEPVINALLDNGTRYNLLNSAVIELFEFIRVEDIKSLTAHIVENFYKA  
LESIEYVQTFKGLKTKYEQEKDRQNQKLSVPSILRSNRFRRDAKALEEDEEMWFNEDDDEEGKAVITPV  
EKSKTEDDFPDSYEKFMETKKAKESEDKENLPKRASSGGFKFTFSHSPSATNGTNSTNSKSVVSQTTPAS  
SNVASSKTTSLATSVTATKGNLVGLVDYPDDEEEDEEEESSPRKRPRLGS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI



**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:** [NM\\_134034.1](#), [NP\\_598795.1](#)

**RefSeq Size:** 5111 bp

**RefSeq ORF:** 2463 bp

**Locus ID:** 104570

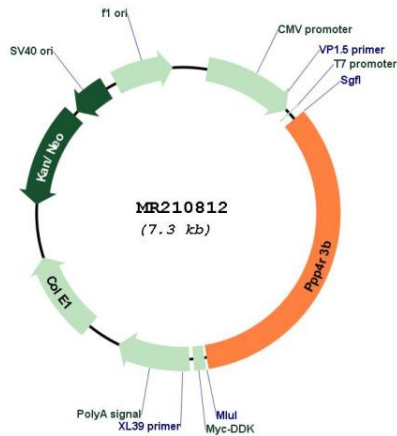
**UniProt ID:** [Q922R5](#)

**Cytogenetics:** 11 A3.3

**MW:** 93.9 kDa

**Gene Summary:** Regulatory subunit of serine/threonine-protein phosphatase 4 (PP4). May regulate the activity of PPP4C at centrosomal microtubule organizing centers (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR210812