

## Product datasheet for **MR205517**

### Ppm1l (NM\_178726) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ppm1l (NM_178726) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ppm1l
Synonyms:	3222401G13; 5930404J21Rik; AI481720; AW045850; mKIAA4175; PP2C; Pp2ce; PP2Cepsilon; Ppp2ce
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205517 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGATAGAGGATACAATGACTTTGCTGTCTCTGCTGGGTCGCATCATGCGCTACTTCTTACTGAGACCCG  
AGACGCTTTTCTGCTGTGCATCAGCTTGGCTCTCTGGAGTTACTTCTTCCACACGGACGAAGTGAAGAC  
CATCGTTAAGTCTAGCCGGGACGCGGTGAAGATGGTGAAGGGCAAGTGGCCGAGATTATGCAGAACGAT  
CGTCTTGAGGACTTGATGTGCTGGAGGCCGAGTTTTCCAAGACCTGGGAATTAAGAGCCATAATGTGG  
CGGTGACTCCATCCAGGGCCGGAGAGACCACATGGAAGATCGCTTCGAAGTTCTCACCGATCTAGCCAA  
CAAGACGCACCCGTCATCTTCGGAATCTTTGATGGGCACGGCGGAGACTGCAGCGGAATATGTA  
TCTCGACTCCCAGAGGCTCTTAAGCAGCACCTTCAGGATTATGAGAAGGACAAAGAAAACAGTGTCTGA  
CCTACCAGACCATCCTCGAGCAGCAGATCTTGCAATTGACCGGAAATGCTGGAAAAGTTGACAGTCTC  
CTATGATGAAGCAGGCACAACGTGTTTGTGCTCTACTCTCAGATAAAGACCTCACCGTGGCCAACGTT  
GGTGACTCTCGGGGAGTCTTGTTGACAAAAGATGGCAATGCCATCCCCTTGCTCACGATCACAAGCCTT  
ACCAGCTGAAGGAAAGGAAGAGGATAAAGAGAGCTGGTGGGTTTCATCAGCTTTAATGGCTCCTGGAGGGT  
CCAGGGAAATCCTAGCCATGTCTCGATCCCTGGGAGACTATCCACTGAAAAATCTCAACGTGGTCAATCCCA  
GACCCAGACATCTTGACCTTTGACCTGGACAAGCTGCAGCCGGAGTTCATGATCTTGGCCTCAGATGGCC  
TGTGGGATGCTTTCAGCAATGAAGAAGCGGTTGATTTCATCAAGGAGCGCTTGGATGAGCCCCACTTTGG  
GGCCAAAAGCATCGTCTGCAGTCTTTACAGAGGCTGCCCTGACAACATCACTGTCTGTTGGTGAAG  
TTCAGGAATAGTACAAAACAGAAGAGCAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



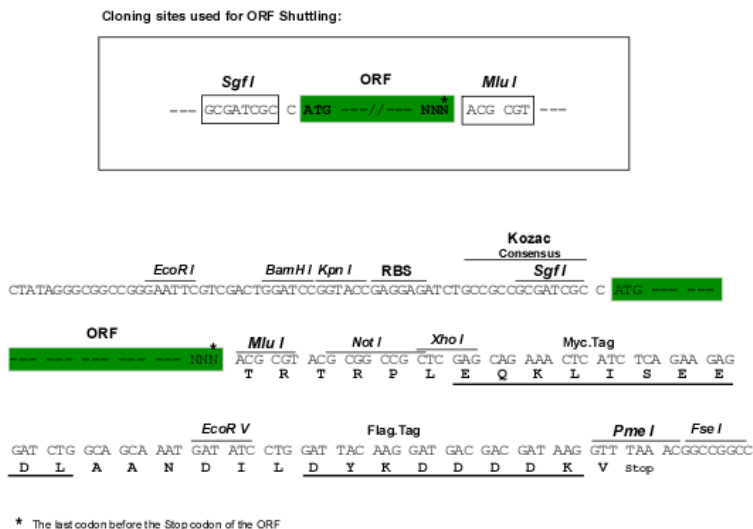
**Protein Sequence:** >MR205517 protein sequence  
Red=Cloning site Green=Tags(s)

MIEDTMTLLSLLGRIMRYFLLRPETLFLLCISLALWSYFFHTDEVKTIKSSRDVAKMVKGKVAEIMQND  
 RLGGLDVLEAEFSKTWEFKSHNVAVYSIQGRRDHMEDRFEVLTDLANKTHPSIFGIFDGHGGETAAEYVK  
 SRLPEALKQHLQDYEKDKENSVLTYQTILEQQILSIDREMLEKLTVSYDEAGTTCLIALLSKDLTVANV  
 GDSRGVLCDDKGNAIPLSHDHKPYQLKERKRIKRAGGFISFNGSWRVQGIAMSRSLGDYPLKNLNVVIP  
 DPDILTFDLKQLQPEFMILASDGLWDAFSNEEAVRFIKERLDEPHFGAKSIVLQSFYRGCPCDNITVMVVK  
 FRNSSKTEEH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_178726

**ORF Size:** 1083 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:** [NM\\_178726.3](#), [NP\\_848841.2](#)

**RefSeq Size:** 3962 bp

**RefSeq ORF:** 1083 bp

**Locus ID:** 242083

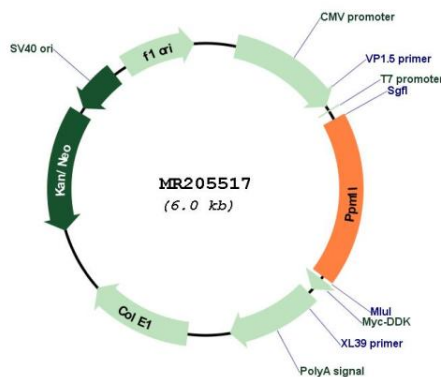
**UniProt ID:** [Q8BHN0](#)

**Cytogenetics:** 3 E1

**MW:** 41 kDa

**Gene Summary:** Acts as a suppressor of the SAPK signaling pathways by associating with and dephosphorylating MAP3K7/TAK1 and MAP3K5, and by attenuating the association between MAP3K7/TAK1 and MAP2K4 or MAP2K6.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR205517