

## Product datasheet for **RR215330**

### **Ppm1f (NM\_175755) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ppm1f (NM_175755) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ppm1f
Synonyms:	CaMKPase
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR215330 representing NM\_175755  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCCTCTGAGCCCCACAGAACAGCAGCCAGATGGCCTGTGACGGCGAGATCCCAGGTTTCCTGGACA  
 CACTCCTCCAAGACTTCCCAGCCCCACTGAGCCTGGAGAGCCCTTGCCATGGAAGTCCCAGGGACAGT  
 CCTGGGCCAGGAGAGGTGGAGGCTGAGCTGACGGAGCTGGCAATGGGTTTCCTGGGCAGCAGGAATGCA  
 CCCCCAGCAGTTGCTGCGGCTGTGACCCACGAGGCAATTTCCAGCTGCTTCAGACAGACCTCTCTGAAT  
 TTAAGAGGTTGCCTGAACAAGAGGAAGAGGAGGAGGAGGAAGAGAGAGTCTCACGACCCTACTGGA  
 TGCCAAAGGCCTGTCCCGAGCTTCTTTAACTGTCTTTGGGAAGTATGCAGCCAGTGGCAGAAACGGGTG  
 CCACTGACTGCCAGGCCCTCAGCGCAAGTGGCTGGTCTCTATCCATGCCATCCGGAACACACGACGAA  
 AGATGGAGGATCGACACGTGCCCTTCTGCTTTCAACCACCTCTTCGGCTTGTCTGACTCCGTGCACCG  
 CGCTACTTCGCTGTGTTTGATGGTCATGGAGGTGGATGCAGCACGGTATGCCTCTGTCCACGTGCAC  
 ACCAACGCCTCTACCAGCCAGAGCTGCTCACAGACCCTGCAGCAGCTCTCAAAGAAGCCTTCCGGCATA  
 CTGACCAGATGTTTCTCCAGAAAGCCAAGCGAGAGCGACTGCAGAGCGGTACCACAGGTGTGTGTGCGCT  
 CATCACAGGAGCAGCCCTGCATGTTGCCTGGCTTGGAGACTCCCAGGTACCTGGTACAGCAAGGACAG  
 GTAGTGAAGCTGATGGAGCCACACAAACCGGAACGACAGGATGAGAAATCACGCATTGAAGCGCTGGGCG  
 GCTTTGTTTCTCTCATGGACTGCTGGAGAGTCAACGGGACCCTGGCAGTGTCCAGAGCCATTGGGGATGT  
 CTTCCAGAAGCCTTATGTGTCTGGCGAGGCAGATGCAGCATCCAGAGAGCTGACAGGCTTGGAGGACTAC  
 CTGCTGCTTGCCGTGACGGTTTCTTCGATGTCGTCCCCACCATGAAATCCCGGCTTGTGTCATGGCC  
 ATTGCTCAGGCAGAAGGCAGTGGGATGCACGTTGCTGAGGAGCTGGTGGCTGTAGCCCGTGACCGGGG  
 TTCCCATGACAACATTACAGTCATGGTGGTTTTCTTAGGGACCCCTGGAGCTGCTGGAGGTTGGGGGG  
 CAGGGGGCAGGGGTGCCAGGCAGATGTAGGAAGTCAGGACTTGTCCACTGGCCTCTCAGAACTTGAGA  
 TCAATACCTCACAGAGAAGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR215330 representing NM\_175755  
 Red=Cloning site Green=Tags(s)

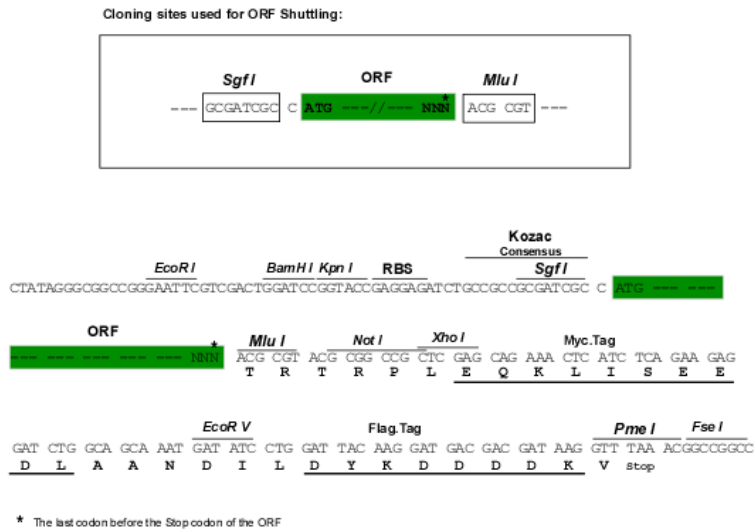
MASGAPQNSSQMACDGEIPGFLLDQLQDFPAPLSLESPLPWKVPGLVGGQEEVEAELTELAMGFLGSRNA  
 PPAVAAAATHEAISQLLQTDLSEFKRLPEQEEEEEEEEERVLTLLDAKGLSRFFNCLWEVCSQWQKRV  
 PLTAQAPQRKWLVSIIHAIRNTRRKMEDRHVSLPAFNHFLGLSDSVHRAVFAVFDGHGGVDAARYASVHVH  
 TNASHQPELLTDPAAALKEAFRHTDQMFLQAKRERLQSGTTGVCALITGAALHVAVLWLDGDSQVILVQQGQ  
 VVKLMEPHKPERQDEKSRIEALGGFVSLMDCWRVNGTLAVSRAIGDVFQKPYVSGEADAASRELTLGLEDY  
 LLLACDGFDFVVPHEIPGLVHGHLRQKGSGMHVAEELVAVARDRGSHDNITVMVVFLLRDLLELLEGGG  
 QGAGGAQADVGSQDLSTGLSELEINTSQRS

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

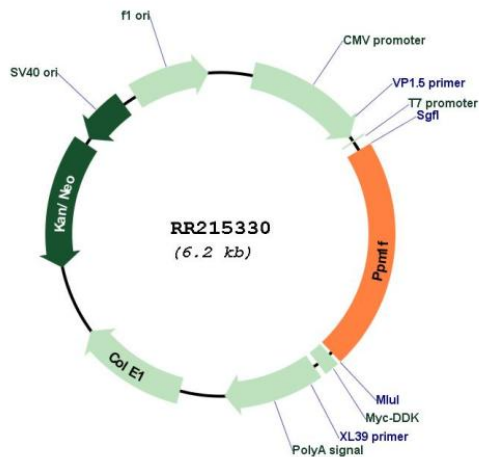
**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_175755

ORF Size: 1350 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\\_175755.2](#), [NP\\_786931.1](#)

**RefSeq Size:** 1935 bp

**RefSeq ORF:** 1353 bp

**Locus ID:** 287931

**UniProt ID:** [Q9WVR7](#)

**Cytogenetics:** 11q23

**MW:** 49.2 kDa

**Gene Summary:** a calmodulin-dependent protein kinase (CaM-kinase) phosphatase [RGD, Feb 2006]