

Product datasheet for **RN215330**

Ppm1f (NM_175755) Rat Untagged Clone

Product data:

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



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Fully Sequenced ORF: >RN215330 representing NM_175755
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCTCTGGAGCCCCACAGAACAGCAGCCAGATGGCCTGTGACGGCGAGATCCCAGGTTTCTGGACA
 CACTCCTCCAAGACTTCCCAGCCCCACTGAGCCTGGAGAGCCCTTGCCATGGAAGTCCCAGGGACAGT
 CCTGGGCCAGGAGAGGTGGAGGCTGAGCTGACGGAGCTGGCAATGGGTTTCTGGGCAGCAGGAATGCA
 CCCCCAGCAGTTGCTGCGGCTGTGACCCACGAGGCAATTTCCCAGCTGTTTCCAGACACCTCTCTGAAT
 TTAAGAGGTTGCCTGAACAAGAGGAAGAGGAGGAGGAGGAAGAGAGAGTCTCACGACCCTACTGGA
 TGCCAAAGGCCTGTCCGGAGCTTCTTTAACTGTCTTTGGGAAGTATGCAGCCAGTGGCAGAAACGGGTG
 CCACTGACTGCCAGGCCCTCAGCGCAAGTGGCTGGTCTCTATCCATGCCATCCGGAACACACGACGAA
 AGATGGAGGATCGACACGTGCCCTTCTGCTTTCAACCACCTCTTCGGCTTGTCTGACTCCGTGCACCG
 CGCTACTTCGCTGTGTTTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT
 ACCAACGCCTCTACCAGCCAGAGCTGCTCACAGACCCTGCAGCAGCTCTCAAAGAAGCCTTCCGGCATA
 CTGACCAGATGTTTCTCCAGAAAGCCAAGCGAGAGCGACTGCAGAGCGGTACCACAGGTGTGTGTGCGCT
 CATCACAGGAGCAGCCCTGCATGTTGCCTGGCTTGGAGACTCCCAGGTACCTGGTACAGCAAGGACAG
 GTAGTGAAGCTGATGGAGCCACACAAACCGGAACGACAGGATGAGAAATCACGCATTGAAGCGCTGGGCG
 GCTTTGTTTCTCTCATGGACTGCTGGAGAGTCAACGGGACCCTGGCAGTGTCCAGAGCCATTGGGGATGT
 CTTCCAGAAGCCTTATGTGTCTGGCGAGGCAGATGCAGCATCCAGAGAGCTGACAGGCTTGGAGGACTAC
 CTGTGCTTGCCTGTGACGGTTTCTTCGATGTCGTCCCCACCATGAAATCCCGGTCTTGTCCATGGCC
 ACTTGTCTCAGGCAGAAGGGCAGTGGGATGCACGTTGCTGAGGAGCTGGTGGCTGTAGCCGTGACCGGGG
 TTCCCATGACAACATTACAGTCATGGTGGTTTTCTTAGGGACCCCTGGAGCTGCTGGAGGGTGGGGGG
 CAGGGGGCAGGGGTGCCAGGCAGATGTAGGAAGTCAGGACTTGTCCACTGGCCTCTCAGAAGTTGAGA
 TCAATACCTCACAGAGAAGTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_175755

Insert Size: 1353 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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