

Product datasheet for **MR216200**

Ppm1e (NM_177167) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ppm1e (NM_177167) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ppm1e
Synonyms:	AW049266; B930008A12Rik; mKIAA1072; POPX1; PP2CH
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>MR216200 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGCGGGCTGCATCCCTGAGGAGAAAACCTACCGCGCTTCTGGAGCTGTTCTGGGCGAGTTCGCGG
GACCGTGCGGTGGCGGCGAGCCAGAGCCCGAACCCGAATCCGAGCCCAGCCCGAGCCCGAAGCCGAGCT
AGTCGCGGCTGAGGCGGCCGAGGCTTCGGGGGAGGAACCGGGGAGGACGCTGCGACGGTAGAGGCGACC
GAGGAGGGGGAGCAGGACCAAGACCCCGAGCCCGAAGACGAGGCGGTGGAGGAGGAGACGGCAGCGGAGG
GCGAGGAGGAGGAAGAGGAGGAAGCGGCTGCCCGGGGCACTCGGCCGTGCCGCCACCGCCGAGCCCA
GCTGCCACCGCTGCCCGCTCCACGGCCGCTGTCGAGCGCATCACCCGAGAGGAGGTGGAGGGCGAG
AGCCTGGACCTGTGCCTGCAGCAGCTCTACAAATATAACTGCCCTTCTTTCTGGCTGCTGCTTTAGCCA
GAGCCACATCAGATGAAGTCTCCAGAGTGACCTTTCTGCTCACTGTATCCCAAAGGAAACGGACGGCAC
AGAAGGGACTGTGAAATTGAGACAGTGAATTTGGCCCGTTCTGTCTTCAGCAAACATACATGAGATCTGC
TGCAAGTGGGTGAAGACTTCCCTCTGCGCAGGAGGCCTCAGATTTATTATGAGACGTCAATTCATGCCA
TCAAGAACATGCCAAGGAAAATGGAGGACAAAACAGTCTGCATTCTGACTTTAACATGCTCTTCAACCT
AGAGGACCAGGAGGAACAAGCACTTTGCAGTGTGATGGCCATGGGGAGTGGACGCTGCTATTTAT
GCCTCCGTTACCTACACGTTAACTTAGTGCGCCAGGAGATGTTCCCATGATCCTGCTGAGGCTCTCT
GCCGGGCTTCCGTGTACAGATGAGCGGTTTGTGAGAAGGCAGCCAGGGAGAGCTTACGGTGTGGGAC
CACAGGAGTAGTACTTTATCAGAGGCAACATGCTCCACGTGGCATGGGTGGGCGATTCCAGGTGATG
CTGGTAAGAAAGGGCAAGCTGTTGAACATGAAACACACAAGCCAGACAGAGAGGATGAAAAGCAGC
GAATTGAGGCCCTTGGAGGCTGTGTGGTTGGTTTGGCGCTGGAGGGTGAATGGAAGCCTGCTCCGCTC
CAGAGCCATCGGAGATGCTGAGCACAAGCCGATATCTGTGAGACGCAGACTCGGCCTCCACTGTTTTG
GATGGGACTGAAGACTACCTCATTCTGGCCTGTGACGGCTTCTATGACACCGTGAACCTGACGAGGACG
TGAAGGTTGTGTCTGACCACTTGAAGAGAATAACGGAGACAGCAGCATGGTTGCCACAAATAGTAGC
GTCGGCTCGTGTGCGGGTCAAGTGATAACATCACTGTTATTGTGGTATTCTGAGGGACATGAACAAG
GCTGTAATGTTAGTGAGGAGTCAGAGTGGACAGAGAACCTTTTCAAGGAGGGCAAGAAGATGGTGGG
ATGATAAGGAGACTCATGGAGAGTGCAAGCGCCCTTGGCCACAGCACCAGTGTCTAGCACCAGCCGATCT
AGGCTATGAGGGCGAGTGGATTCACTACTGATAGAAGTACCTCAGCCAGGGCCCAATCAACGTG
CTGGAAGATCCAGACTACCTAGATCTCACAAAATAGAAGCAAGCAAACCTCACAGTACCAATTTTGC
CACCAGTTGAGATGATTGGTCTGGTGCACCAAAGAAAGATCTTAATGAGCTAATAATGGAGGAGAGATC
AGTCAAGTCATCATTGCCTGAACGGAGTGGTGTGGAGAGCCTCGGGTTCTTTAATTTGGGTTCAACA
GGGCAACAGATATGCAGAATGGAGAACTTGTCTCCTGTCAGTTCTGGGTTGAAAATGAACAGTTCAAAT
CCCGGGGAAGACAGCGTCTAGGTTGTATCATTACGCCACCACTACTCCAAAAGGCAGCGTGGATTGAG
GTTAATCCAAAGTTTACTCGTTTCTGTCTGCTGAGAGCCTTCTCACAAAATAGGCATTAGCCTCTCC
TCACTTACTCGAAGTGGGAAGAGAAACAAGATGTTAAGAAGTTCTTTGCCATGGAGGGAAAATAGTTGG
AAGGATATAGTGGAAATGTGAAGATCAGAAAGCGTAATGATATCCATGCCAGACTTTCCCTGGAGCTA
TAAAATT

ACGCGTACGCGGGCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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_177167.4](#), [NP_796141.2](#)

RefSeq Size: 6315 bp

RefSeq ORF: 2250 bp

Locus ID: 320472

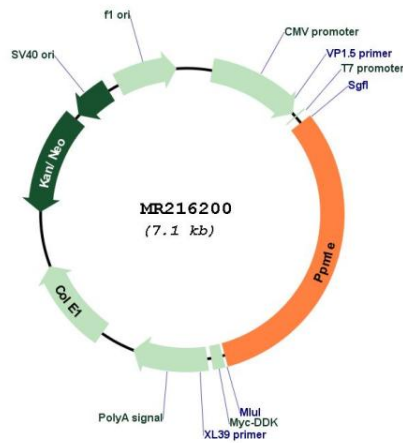
UniProt ID: [Q80TL0](#)

Cytogenetics: 11 C

MW: 83.4 kDa

Gene Summary: Protein phosphatase that inactivates multifunctional CaM kinases such as CAMK4 and CAMK2. Dephosphorylates and inactivates PAK. May play a role in the inhibition of actin fiber stress breakdown and in morphological changes driven by TNK2/CDC42 (By similarity). Dephosphorylates PRKAA2.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR216200