

Product datasheet for **MC221341**

Ppm1e (NM_177167) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ppm1e (NM_177167) Mouse Untagged Clone
Tag:	Tag Free
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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Fully Sequenced ORF: >MC221341 representing NM_177167
 Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGGGCTGCATCCCTGAGGAGAAAACCTACCGCGCTTCTGGAGCTGTTCTGGGCGAGTTCGCGG
 GACCGTGCGGTGGCGGCGAGCCAGAGCCCGAACCCGAATCCGAGCCCAGCCCGAGCCCGAAGCCGAGCT
 AGTCGCGGCTGAGGCGGCCGAGGCTTCGGGGGAGGAACCGGGGAGGACGCTGCGACGGTAGAGGCGACC
 GAGGAGGGGAGCAGGACCAAGACCCCGAGCCCGAAGACGAGGCGGTGGAGGAGGAGACGGCAGCGGAGG
 GCGAGGAGGAGGAAGAGGAGGAAGCGGCTGCCCGGGGCACTCGGCCGTGCCGCCACCGCCGAGCCCA
 GCTGCCACCGCTGCCCGCTCCACGGCCGCTGTCGAGCGCATCACCCGAGAGGAGGTGGAGGGCGAG
 AGCCTGGACCTGTGCCTGCAGCAGCTCTACAAATATAACTGCCCTTCTTTCTGGCTGCTGCTTTAGCCA
 GAGCCACATCAGATGAAGTCTCCAGAGTGACCTTTCTGCTCACTGTATCCCAAAGGAAACGGACGGCAC
 AGAAGGGACTGTGAAATTGAGACAGTGAAATTGGCCCGTTCTGTCTTCAGCAAACATACATGAGATCTGC
 TGCAAGTGGGTGAAGACTTCCCTCTGCGCAGGAGGCCTCAGATTTATTATGAGACGTCAATTCATGCCA
 TCAAGAACATGCCAAGGAAAATGGAGGACAAAACAGTCTGCATTCTGACTTTAACATGCTCTTCAACCT
 AGAGGACCAGGAGGAACAAGCATACTTTGCAGTGTGATGGCCATGGGGGAGTGGACGCTGCTATTTAT
 GCCTCCGTTACCTACACGTTAACTTAGTGCGCCAGGAGATGTTCCCATGATCCTGCTGAGGCTCTCT
 GCCGGGCTTCCGTGTACAGATGAGCGGTTTGTGAGAAGGCAGCCAGGGAGAGCTTACGGTGTGGGAC
 CACAGGAGTAGTACTTTATCAGAGGCAACATGCTCCACGTGGCATGGGTGGGCGATTCCAGGTGATG
 CTGGTAAGAAAGGGCAAGCTGTTGAACATAATGAAACACACAAGCCAGACAGAGAGGATGAAAAGCAGC
 GAATTGAGGCCCTTGGAGGCTGTGTGGTTGGTTGGCGCTGGAGGGTGAATGGAAGCCTGTCGCTC
 CAGAGCCATCGGAGATGCTGAGCACAAGCCGATATCTGTGAGACGCAGACTCGGCCTCCACTGTTTTG
 GATGGGACTGAAGACTACCTCATTCTGGCCTGTGACGGCTTCTATGACACCGTGAACCTGACGAGGCGAG
 TGAAGGTTGTGTCTGACCACTTGAAGAGAATAACGGAGACAGCAGCATGGTTGCCACAATTAGTAGC
 GTCGGCTCGTATGCGGGTCAAGTGATAACATCACTGTTATTGTGGTATTCCTGAGGGACATGAACAAG
 GCTGTAATGTTAGTGAGGAGTCAGAGTGGACAGAGAACTCTTTCAAGGAGGCAAGAAGATGGTGGG
 ATGATAAGGAGACTCATGGAGAGTGCAAGCGCCCTTGGCCACAGCACCAGTGTCTCAGCACCCGCGATCT
 AGGCTATGAGGGCGAGTGGATTCTTCACTGATAGAAGTACCTCAGCCAGGGCCCAATCAACGTG
 CTGGAAGATCCAGACTACCTAGATCTCACACAAATAGAAGCAAGCAAACCTCACAGTACCAATTTTGC
 CACCAGTTGAGATGATTGGTCTGGTGCACCAAAGAAAGATCTAATGAGCTAATGAGGAGAGATC
 AGTCAAGTCATCATTGCCTGAACGGAGTGGTGTGGAGAGCCTCGGGTTCTTTAATTTGGGTTCAACA
 GGGCAACAGATATGCAGAATGGAGAACTTGTCTCTGTGATTTCTGGGTTGAAAATGAACAGTTCAAAT
 CCCGGGGGAAGACAGCGTCTAGGTTGTATCATTACGCCACCACTACTCCAAAAGGCAGCGTGGATTGAG
 GTTTAATCCAAAGTTTACTCGTTTCTGTCTGCTGAGAGCCTTCTCACAAAATAGGCATTAGCCTCTCC
 TCATTTACTCGAAGTGGGAAGAGAAACAAGATGTTAAGAAGTTCTTTGCCATGGAGGGAAAATAGTTGGG
 AAGGATATAGTGGAAATGTGAAGATCAGAAAGCGTAATGATATTCATGCCAGACTTTCCCTGGAGCTA
 TAAAATTTAA

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_177167
Insert Size: 2250 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:	<ol style="list-style-type: none">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:	BC138900 , AAI38901
RefSeq Size:	2781 bp
RefSeq ORF:	2250 bp
Locus ID:	320472
UniProt ID:	Q80TL0
Cytogenetics:	11 C
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]