

Product datasheet for **MC228979**

Ptpdc1 (NM_001301781) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ptpdc1 (NM_001301781) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ptpdc1
Synonyms:	AI843923; AW456874; Naa-1; Ptpcd1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228979 representing NM_001301781
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCCGCAGGAGTCTTGCCACAGAATGAAGATCCATATTCACGTTGGTGAATAGCAGTGGGCATGCTG
 CACACATGGATGGTGAGGAGAAAATGCTTATCTTGAGACATCTTACGGACCCAGTCTGGATGTGGAGCCG
 TGTGTTTTGCGCCTAGAGCTCGCTGAGCCCTCAGAGAGTCCATCCTGCTCGTCACTGCATCTGCGATG
 CTGAAGCTGCGGTTTCTCACTCGGCTGTCTTCTGGGCTCTCTGCTGCATTCTTGAAAATTCAGGACGCC
 CAGCACAAAATACACGAAAGTGGGAGAACGTTTGCAGCATGTCATCCCTGGGCACATGGCATGTTCCAT
 GCGGTGTGGTGGGAGAGCGTGAAGTATGAGAACCAGCCGCTGGAGTGAGCAGGAGCAAGCCATTAAG
 GGAGTACTCATCCTGGGCTACTGACAATATCCTGGCCATGGCTCGTCCGTCTCCGAGCTGCTGGAGA
 AGTATCGCATCATCGAGCAGTTCCTCGGTCAAGGCATAAAAAATAATCAACCTGCAGCGCCCTGGAGA
 GCATGCCAGCTGTGGGAGCGCTCTGGAACAAGAAAGTGGTTTACCTACCTTCTGAGGCATTCATGGAG
 GCTGGCATTATTTCTACAACCTTGGGTGGAAGGATTATGGCGTGGCTTCCCTCACTGCCATCTTGACA
 TGGTAAAGGTGATGACATTTGCCTTACAGGAAGGAAAGTGGCTGTCCACTGCCACGCGGGGCTCGGCCG
 CACAGGTGTGCTAATAGCATGTTATTTAGTTTTGCAACAAGAATGACTGCTGACCAAGCAATTATATTT
 GTTCGGGCAAAACGCCCAATCCATACAAACAAGAGGACAACCTGCTCTGTGTACGGGAATTCACGCAGT
 TCCTGGCTCCACTCCGTAATATTTCTCTTGTGTGACCCCAAAGCACATGCTGTTACCTTAGCCAGTA
 CCTGATTCGCCAGCGACATCTGCTTCAATGGCTACGAGGCACGACTTCTGAAGTACGTGCCAAGATCATC
 CACCTGGTTTCAAACCTGCTGCTGACTTGGCTGAGAACCAGCCAGTGGTATGAAGAGCATGCTAGAAG
 GACCTGTGCTCTGCTGAAATCGAAAAGACCGTGTCTGAGATGGTACGCTGCAGTATGATCAAGAGT
 ACTCAGGCAAAACAGTGATGTGCCGACCCGTTTAAACCCACTGCAGAGGTGGCCGAGTTTCGAGAATCAG
 GATGTGATTCTCTACTGAGCAGGAGTTTACCCCTCTGGAAGAGGAGGATATTGAGTGCCTTCAGC
 CCCTGACACATCTGAAAAGACAGCTCAGCTACAGCGACTCAGACTTAAAGAGGGCCAAAGCCATCCTGGA
 ACAAGGGGAGACACCTTGGACAGTGCCTGCCAGGAGTTGCTAGACCACAGTCTCCAGCATCAGAAGCCC
 ACGAGCCATTGCTACATGCCACCAACTCCAGAGCTGGGTTTTAATAAGGAGGCACTGGTCCAAAATACCT
 TTTCTTTCTGGACTCCGTCAAAGTGTGGAGCTTAGAAGGACTGAAGGATGAGGGATCGCTGCTTTTGTG
 CAGGAAGGACATCCAAAGGAAGTACAGCGGAGCAGAACCTTCTCTGTGGGTGTTTCTTGTTCACACAAT
 CCTGGAGAGCCAGTGGCCCAACTTACAAGTATCCATAAGGATCCAGAGCAGGTACCCATTGCCGT
 GTGAGGCTCCTGGTGGCTGGGTCCCGGCCCTGTTACAGAGATGGTACAGGAGCCCTGTAGCCCTCTGAA
 CTGTGGCTCCAGTCCAAAGGCGAGTCCACACAGGACAGGAAACCAAGACAGCACAGACCTGTCTGAG
 GCAGTGCCGATGCTGGTCTGCAGCCTGAACTGAGTGTGAAGCAAGGAGAATACTGGCGGCCAAAGCCC
 TGGCAAATTAATGAGTTTGTGAAAAGGAGGAAGTAAAAGGAAAGTGGAGATGTGGCAGAAAGAACT
 AAATCCCGGGAGGAAGCCTGGGAACGAATATGCGGCGAGAGAGACCCCTTTCATCTTGTGCAGTTTGATG
 TGGTCTTGGGTTGAGCAACTGAAAGAGCCTGTAATCACCAAAGAGGATGTGGACATGCTGGTTCGACAGAC
 AAGCAGATGCTGCCAAGCCCTGTTTTACTAGAGAAGGGCAGTACCAGACCATCCTCTGTGTGCTGCA
 CTGCATAGTGGCCTGCAGACGCTTCCCATGGAGGTGGAGGAAGCTTGCCTTTTACATGCCATTAAGCT
 TTCACCAAGTTAATTTTATTCTGAAAACGGACCAATAGTTTACGACACCTTGAATAAATATTTAAGC
 ACACGTTGGAAGAAAAGAGGAAAATGGCAAAGACAGCCTCTCT**GTA**

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001301781
Insert Size: 2427 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001301781.1, NP_001288710.1</u>
RefSeq Size:	4612 bp
RefSeq ORF:	2427 bp
Locus ID:	218232
UniProt ID:	<u>Q6NZK8</u>
Cytogenetics:	13 A5
Gene Summary:	<p>The protein encoded by this gene is a centrosomal mitotic phosphatase. This protein has been implicated in centrosomal duplication and cytokinesis. In addition, knockdown of expression levels in non-cycling cells results in extra long cilia, suggesting that this protein may function in regulating cilia length independent of a function in cell cycle control. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Sep 2014]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>