

## Product datasheet for **SC332237**

### PTPDC1 (NM\_001253830) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PTPDC1 (NM_001253830) Human Untagged Clone
Tag:	Tag Free
Symbol:	PTPDC1
Synonyms:	PTP9Q22
Vector:	pCMV6-Entry (PS100001)



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**Fully Sequenced ORF:** >SC332237 representing NM\_001253830.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGCTGCAGGAGTCTTGCCTCAGAATGAACAACCATATTCTACCTTGGTGAATAACAGCGAGTGTGTT
GCAAACATGAAAGGAAATTTAGAACGTCCAACACCAAAGTACACAAAAGTAGGGGAGCGTTTACGGCAT
GTCATTCTGGACACATGGCATGTTCCATGGCGTGTGGCGGTAGAGCTTGCAAGTATGAGAACCAGCC
CGCTGGAGTGAGCAGGAGCAAGCCATTAAGGGGGTTTACTCATCTGGTCACTGATAATATACTGGCC
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AAAAAATAATCAACCTCCAGCGCCTGGTGAGCATGCTAGCTGTGGAACCCTCTGGAACAAGAAAGT
GGCTTCACATACCTTCTGAGGCTTTCATGGAGGCTGGCATTACTTCTACAATTCGGATGGAAGGAT
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AGAGGACAGCTCCTCTGTGAAGGGAATTTACTCAGTTTCTAACTCCTCTCCGCAATATATTCTCTTGC
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TATGAGGCACGACTTCTGAAACACGTGCCAAAAATATCCACCTAGTTTGCAAATGCTGCTGGACTTA
GCGGAGAACAGGCCAGTGATGATGAAGGATGTGTCGAAGGACCTGGTCTCTCTGCTGAAATAGAAAAG
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CCTGCCAGATCTTGGTTGGCCACAAGCCAGGCAGCAGAAGCTCATAAGCCATTGTTACATCCCACAG
TCTCCAGAACCAGACTTACACAAGGAAGCCTTGGTTCGACAGCACACTTTCTTTCTGGAGTCACTAAAG
TTTGGAGCCTGGAAGGACTCAAAGATAATGGGTACCAATTTTCCATGGAAGGATCATTCCAAAGGAA
GCACAGCAGAGTGAGGCTTTCTCTGCAGATGTTTCAGGCTCACACAGCCCTGGGGAGCCAGTTTCAACC
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CATGGTGTGGGAGCCCTGGCTCTGTCAGGCAGAACAGCAGGACACCCCGAAGCCCTCTGGACTGTGGC
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TCACACTCTGCATTACAGTCTGAATTGAGTGTGAGGCAAGAAGAATACTGGCGGCCAAAGCCCTAGCA
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CTGAAGGAGCCTGTAATCACAAAGAGGATGTGGACATGTTGGTTGACAGGCGAGCAGATGCCCGAGAA
GCACTTTTTTTATTAGAGAAGGGACAGCACCAGACTATTCTCTGCGTGTGCACTGCATAGTGAACCTG
CAGACAATCCCGTGGATGTGGAGGAAGCTTTCCTTGCCCATGCCATTAAGGCATCACTAAGGTTAAT
TTTGATTCTGAAAATGGACCAACAGTTTACAACACCCTGAAGAAAATATTTAAGCACACGCTGGAAGAA
AAAAGAAAATGACAAAAGATGGCCCTAAGCCTGGCCTC TAG
  
```

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_001253830

**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:**

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\\_001253830.1](#)

**RefSeq Size:** 4497 bp

**RefSeq ORF:** 2250 bp

**Locus ID:** 138639

**UniProt ID:** [A2A3K4](#)

**Cytogenetics:** 9q22.32

**Protein Families:** Druggable Genome, Phosphatase

**MW:** 83.8 kDa

**Gene Summary:** The protein encoded by this gene contains a characteristic motif of protein tyrosine phosphatases (PTPs). PTPs regulate activities of phosphoproteins through dephosphorylation. They are signaling molecules involved in the regulation of a wide variety of biological processes. The specific function of this protein has not yet been determined. Alternatively spliced transcript variants encoding distinct isoforms have been identified. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (4) differs in the 5' UTR, uses an alternate splice site in the coding region and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (4) is shorter and has a distinct N-terminus, compared to isoform 1.