

## Product datasheet for **SC102048**

### PTPDC1 (BC031279) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PTPDC1 (BC031279) Human Untagged Clone
Tag:	Tag Free
Symbol:	PTPDC1
Synonyms:	PTP9Q22
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for BC031279, the custom clone sequence may differ by one or more nucleotides

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AGTGAAGTTCTCACTGAGTGAGTGGGGCTGACTCTTCTGCCTCCGGCTCTTGCCTCCCAGTGCCATG
CAGGTGCAGGATGCAACCAGGCGGCCCTCAGCCGTGCGCTTCTCAGCTCCTTTCTCAGGGCCCGCGG
ACTCCACCTCAGACCCAGTACTGCGGCTGCAGCAGGCCCGCGGGGCTCTGGCTTGGGCTCCGGCTCTGC
CAGGAAGCTGCTGTCTCTCTCTCCAGGTGATGGTGGCTGTTTCTCAGTCAGCCATGCAGAGGGA
AACCCAACCTTTCCCGAAAGAAAAAGAAATTTGGAACGTCCAACACCAAAGTACACAAAAGTAGGGGAGC
GTTTACGGCATGTATTCTGGACACATGGCATGTTCCATGGCGTGTGGCGGTAGAGCTTGAAGTATGA
GAACCCAGCCCGCTGGAGTGAGCAGGAGCAAGCCATTAAGGGGTTTACTCATCTGGGTCACTGATAAT
ATACTGGCCATGGCCCGCCATCTCTGAGCTCTGGAGAAGTACCACATCATTGATCAGTTCCTCAGCC
ATGGCATAAAAAACAATAATCAACCTCCAGCGCCCTGGTGAGCATGCTAGCTGTGGAACCCCTGGAACAA
GAAAGTGGCTTACATACCTTCTGAGGCTTTCATGGAGGCTGGCATTACTTCTACAATTCGGATGGA
AGGATTATGGTGTAGCGTCTTACTACTATCCTAGATATGGTGAAGGTGATGACATTTGCCTTACAGGA
AGGAAAAGTAGCTATCCATTGTCATGCAGGGCTTGGTTCGAACAGGTGTTTAATAGCCTGTACTTAGTT
TTTGCAACGAGAATGACTGCTGACCAAGCAATTATTTGTGCGGGCAAAGCGACCCAATTCATACAAA
CCAGAGGACAGCTCCTCTGTGTAAGGGAATTTACTCAGTTTCTAACTCCTCTCCGCAATATATTCTTTG
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TATGAGGCACGACTTCTGAAACAGTGCCAAAAATATCCACCTAGTTTGCAAATGCTGCTGGACTTAG
CGGAGAACAGGCCAGTGATGATGAAGGATGTGTCCGAAGGACCTGGTCTCTCTGCTGAAATAGAAAAGAC
AATGTCTGAGATGGTACCATGCAGCTGGATAAAGAGTTACGAGGCATGACAGTGTGTCCAACCCGC
CTAACCCACTGCAGTGGCAGCAGATTTTGACAATCGAGGCATGATTTTCTCCAATGAGCAACAGTTTGA
CCCTCTTTGGAAAAGGCGGAATGTTGAGTGCCTTCAACCCCTGACTCATCTGAAAAGGCGGCTCAGCTAC
AGTGACTCAGATTTAAAGAGGGCCGAGAACCTCCTGGAGCAAGGGGAGACTCCACAGACAGTGCCTGCC
AGATCTTGGTTGGCCACAAGCCAGGCAGCAGAAGCTCATAAGCCATTGTTACATCCCACAGTCTCCAGA
ACCAGACTTACACAAGGAAGCCTTGGTTCGCAGCACACTTTCTTTCTGGAGTCAGTCAAAGTTTGGAGGC
CTGGAAGGACTCAAAGATAATGGGTACCAATTTTCCATGGAAGGATCATTCAAAGGAAGCACAGCAGA
GTGGAGCTTTCTCTGCAGATGTTTCAAGGCTCACACAGCCCTGGGGAGCCAGTTTCAACCCAGCTTTGCAA
TGTCATAAAGGATCCAAACCTGATCACCAGCAAGTGTCTCACTGTCAGTGTAAAACCTATGGTGTGGG
AGCCCTGGCTCTGTGAGCAGAACAGCAGGACACCCCGAAGCCCTCTGGACTGTGGCTCCAGTCCCAAAG
CACAGTCTTGGTTGAACATGAAACCCAGGACAGTAAAGATCTGTCTGAAGCAGCTTCACTCTGCATT
ACAGTCTGAATTGAGTGTGAGGCAAGAAGAACTGCGCGCCAAAGCCCTAGCAAATTTAAATGAATCT
GTGAAAAGGAGGAAGTAAAAAGGAAGGTAGAAATGTGGCAGAAAAGAGCTTAATTCACCGAGATGGAGCTT
GGGAAAGAATAATGTGGCGAGAGGGACCCCTTTCATCCTATGCAGCTTGTGTGGTCTTGGGTGGAGCACT
GAAGGAGCCTGTAAATCACAAAGGGGATGTGGACATGTTGGTTGACAGGCGAGCAGATGCCGAGAAAGCA
CTTTTTTTTATTAGAGAAGGGACAGCACCAGACTATTCTCTGCGTGTGCACTGCATAGTGAACCTGCAG
ACAATTCACCGTGGATGTGGAGGAAGCTTTCCTTGCCATGCCATTAAGGCATTACTAAGGTTAATTTTG
ATTCTGAAAATGGACCAACAGTTTACAACACCCCTGAAGAAAATATTTAAGCACACGCTGGAAGAAAAAAA
AAAAAAA
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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for BC031279 unedited            TAACACGACTTACTATAGGGCGGCCGGAATTCGGCACGAGGCAACCTCCAGCGCCCTGG            TGAGCATGCTAGCTGTGGGAACCCTCTGGAACAAGAAAGTGGCTTACATACCTTCTGA            GGCTTTCATGGAGGCTGGCATTACTTCTACAATTTCCGATGGAAGGATTATGGTGTAGC            GTCTCTTACTACTATCCTAGATATGGTGAAGGTGATGACATTTGCCTTACAGGAAGGAAA            AGTAGCTATCCATTGTCATGCAGGGCTTGGTCGAACAGGTGTTTTAATAGCCTGTACTT            AGTTTTTGCAACGAGAATGACTGCTGACCAAGCAATTATATTTGTGCGGGCAAAGCGACC            CAATTCATACAACAGAGGACAGCTCCTCTGTGTAAGGGAATTTACTCAGTTTCTAAC            TCCTCTCCGCAATATATTCTTCTGCTGTGATCCCAAAGCACATGCTGTACCTTACCTCA            ATATCTAATTCGCCAGCGTCATCTGCTTCTGTTATGAGGCACGACTTCTGAAACACGT            GCCAAAAATTATCCACCTAGTTTGCAAATTGCTGCTGGACTTAGCGGAGAACAGGCCAGT            GATGATGAAGGATGTGTCCGAAGACCTGGTCTCTCTGCTGAAATAGAAAAGACAATGTC            TGAGATGGTCACCATGCAGCTGGATAAAGAGTTACTGANGCATGACAGTGTGTCCAA            CCCGCCTAACCCACTGCAGTGGCAGCAGATTTTGACAATCGAGGCATGATTNTCTCCAT            GAGCAAACAGTTGACCCCTCTTGAAAGGCGGATGTGAGTGCCTTACCCCTGACTATCT            GAAAAGGCGCTCANCTACATGACTCAGATTAAGAGGGCCGANAACCTC</p>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for BC031279 unedited            TCTATGNNACCGCGCCGCGATCTAGNGATCGGTTTTTTTTTTTTTTTTTAAATAGCTT            TGAACCCCTCTGTACATTTATAAAAAGAAAAGGAAAAACAAAAATTTCAAAGTAAAA            AAGAAACCTTTAAAAATATTGTAGCAATAGCCTTCTTCGTAACAAATATAAACAGCTTA            AGACACTTGGTGACTTTCTTAGTTCATCTGTGGGGGAATGGATACACAATGAGGTTTTAC            TACTAAAGTTAGCTATTTGGTAAAACTCTAGGAAGAGTCCATCAAGAAAATGGTTATT            TTGAAAAGACAAGTTATGATTATTTCCAAAATGTCAAAAAGAAATAAGAATGTAACACCA            TATACTTAAAAATGTTAATACAATAATTAACCTCAGTCAAATAAATAAAGAAAGTGGCA            CCAAATTTATGGCAATTTTTCAAACAAAAATGTAGCTTAAATATATTTTAAAAATAATA            ATTTGGTCAAATACGGACGACCATTTCTCAGCACAACTAACAACATTCAAAATAAAGTGC            TATGAGAAAAAGTAGCCCAACAATCTTCAACTTATTCACATATGAACAGAGATACTATCT            GGATCTTTANGTCTGAAATATTCACCACGAGTGAAGCTAGAGGGCCAGCTTANGGCCAT            CTTTTGNCAATTTTTCTTTTTCTCCAGCGTGTGCTTAAATTTTTCTTCAGGGTGGTGT            AAAGTGTGGTCCATTTTCAGAATCAAAAATTAACCTTAGTGAATGCCTTAAATGGCATGGG            CAAGGAAAGCTTCTCCACATCCACGGGAATTGTCTGCAGGTTCACTATGCAGTGAAC            ACGCAGAGGAATAGTCTGGTGGCTGTCCCTTCCCTATAAAAAAATGCTTCTTGGCGCAT            CTGGCTCGCTGTCAACCAACATGTCCACATCCCTTTGGGGATACAGGCCTCTTCAAGT            GCTTCACCA</p>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	BC031279
<b>Insert Size:</b>	2500 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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:** [BC031279.1](#)

**RefSeq Size:** 2457 bp

**RefSeq ORF:** 2457 bp

**Locus ID:** 138639

**Cytogenetics:** 9q22.32

**Protein Families:** Druggable Genome, Phosphatase

**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]