

## Product datasheet for **SC128129**

### PTPDC1 (NM\_152422) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PTPDC1 (NM_152422) 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 NM\_152422, the custom clone sequence may differ by one or more nucleotides

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ATGCAGGTGCAGGATGCAACCAGGCGGCCCTCAGCCGTGCGCTTCTCAGCTCCTTTCTCCAGGGCCGCC
GGCACTCCACCTCAGACCCAGTACTGCGGCTGCAGCAGGCCCGGGGGGCTCTGGCTGGGCTCCGGCTC
TGCCACGAAGCTGCTGTCTCTCTCTCCAGGTGATGGTGGCTGTTTCTCAGTCAGCCATGCAGAG
GGAAACCCAACCTTCCCGAAAGAAAAAGAAATTTAGAACGTCCAACACCAAAGTACACAAAAGTAGGGG
AGCGTTTACGGCATGTCATTCTGGACACATGGCATGTTCCATGGCGTGTGGCGGTAGAGCTTGCAAGTA
TGAGAACCAGCCGCTGGAGTGAGCAGGAGCAAGCCATTAAGGGGGTTTACTCATCTGGGTCACTGAT
AATATACTGGCCATGGCCCGCCCATCTCTGAGCTCTGGAGAAGTACCACATCATTGATCAGTTCTCA
GCCATGGCATAAAAAACAATAATCAACCTCCAGCGCCCTGGTGGAGCATGCTAGCTGTGGAAACCTCTGGA
ACAAGAAAGTGGCTTACATACCTTCTGAGGCTTTCATGGAGGCTGGCATTACTTCTACAATTCGGA
TGAAGGATTATGGTGTAGCGTCTTACTACTATCTAGATATGGTGAAGGTGATGACATTTGCCTTAC
AGGAAGGAAAAGTAGCTATCCATTGTCATGCAGGGCTTGGTGAACAGGTGTTTTAATAGCTGTACTT
AGTTTTTGCAACGAGAATGACTGCTGACCAAGCAATTATTTGTGCGGGCAAAGCGACCAATTCATA
CAAACCAGAGGACAGCTCCTCTGTGTAAGGGAATTTACTCAGTTTCTAACTCCTCTCCGCAATATATTCT
CTTGCTGTGATCCCAAAGCACATGCTGTACCTTACCTCAATATCTAATTCGCCAGCGTCATCTGTTCA
TGGTTATGAGGCACGACTTCTGAAACACGTGCCAAAAATATCCACCTAGTTTGCAAATTGCTGTGGAC
TTAGCGGAGAACAGGCCAGTGATGATGAAGGATGTGTCCGAAGGACCTGGTCTCTCTGCTGAAATAGAAA
AGACAATGTCTGAGATGGTCACCATGCAGCTGGATAAAGAGTTACTGAGGCATGACAGTGATGTGCCAA
CCCCTAACCCCACTGCAGTGGCAGCAGATTTTGACAATCGAGGCATGATTTTCTCAAATGAGCAACAG
TTTGACCTCTTTGAAAAGGCGGAATGTTGAGTGCCTTCAACCCCTGACTCATCTGAAAAGGCGGCTCA
GCTACAGTGACTCAGATTTAAAGAGGGCCGAGAACCTCCTGGAGCAAGGGGAGACTCCACAGACAGTGCC
TGCCAGATCTTGGTTGGCCACAAGCCAGGCAGCAGAAGCTCATAAGCCATTGTTACATCCCACAGTCT
CCAGAACCAGACTTACACAAGGAAGCCTTGGTTCGCAGCACACTTTCTTCTGGAGTCAGTCAAAGTTTG
GAGGCCTGGAAGGACTCAAAGATAATGGGTACCAATTTTCCATGGAAGGATCATTCCAAAGGAAGCACA
GCAGAGTGGAGCTTCTCTGCAGATGTTTCAGGCTCACACAGCCCTGGGAGCCAGTTTCAACCCAGCTT
GCAAATGTCCATAAAGATCCAAACCTGCTCACCAGCAAGTGTCTCACTGTCAGTGTAAAACCTCATGGT
TTGGGAGCCCTGGCTCTGTGAGGCAGAACAGCAGGACACCCCGAAGCCCTCTGGACTGTGGCTCCAGTCC
CAAAGCACAGTTCTTGGTTGAACATGAAACCCAGGACAGTAAAGATCTGTCTGAAGCAGCTTCACTCT
GCATTACAGTCTGAATTGAGTGTGAGGCAAGAAGAATACTGGCGGCCAAAGCCCTAGCAAATTTAATG
AATCTGTAGAAAAGGAGGAATAAAAAAGGAAGGTAGAAATGTGGCAGAAAAGAGCTTAATTCGGAGATGG
AGCTTGGGAAAAGAAATATGTGGCGAGAGGGACCTTTTATCCTATGCAGCTTGATGTGGTCTTGGGTGGAG
CAACTGAAGGAGCCTGTAATCACCAAAGAGGATGTGGACATGTTGGTTGACAGGCGAGCAGATGCCCGAG
AAGCACTTTTTTATTAGAGAAGGGACAGCACCAGACTATTCTCTGCGTGTGCACTGCATAGTGAACCT
GCAGACAATCCCGTGGATGTGGAGGAAGCTTCTTCCCATGCCATTAAGGCATTCACTAAGGTTAAT
TTTGATTCTGAAAATGGACCAACAGTTTACAACACCCCTGAAGAAAATTTAAGCACACGCTGGAAGAAA
AAAGAAAATGACAAAAGATGGCCCTAAGCCTGGCCTTAG
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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_152422 unedited NGAGTACAAAATTGTATACGACTCACTATAGGCGGCCGCGNAATCATGCAGGTGCAGGAT GCAACCAGGCGGCCCTCAGCCGTGCGCTTCCTCAGCTCCTTTCTCCAGGGCCGCCGGCAC TCCACCTCAGACCAGTACTGCGGCTGCAGCAGGCCCGGGGGCTCTGGCTTGGGCTCC GGCTCTGCCACGAAGTGTCTGCTCCTCGTCTCTCCAGTGATGGTGGCTGTTTCCTCA GTCAGCCATGCAGAGGAAACCAACTTCCCGAAAGAAAAAGAAATTTAGAACGTCCA ACACAAAAGTACACAAAAGTAGGGGAGCGTTTACGGCATGTCATTCTGGACACATGGCA TGTTCCATGGCGTGTGGCGGTAGAGCTTGCAAGTATGAGAACCAGCCCGCTGGAGTGAG CAGGAGCAAGCCATTAAGGGGGTTTACTCATCCTGGGTCACTGATAATATACTGGCCATG GCCCGCCATCCTCTGAGCTCCTGGAGAAGTACCACATCATTGATCAGTTCCTCAGCCAT GGCATAAAAACAATAATCAACCTCCAGCGCCCTGGTGAGCATGCTAGCTGTGGAAACCT CTGGAACAAGAAAGTGGCTTACATACCTTCTGAGGCTTTCATGGAGGTGGCATTAC TTCTACAATTTCCGATGGAAGGATTATGGTGTAGCGTCTTACTACTATCCTAGATATG GTGAAGGTGATGACATTTGCCTTACAGGAAGGAAAAGTAGCTATCCATTGTCATGCANGG CTTGGTGAACAGGTGTTTTAATAGCCTGTTACTTAGTTTTTGAACGAGAATGACTGCT GACCAAGCAATTATATTTGTGCGGGCAAAGCGACCCANTTTCATACAAA
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_152422
<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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_152422.3</a> , <a href="#">NP_689635.3</a>
<b>RefSeq Size:</b>	4398 bp
<b>RefSeq ORF:</b>	2421 bp
<b>Locus ID:</b>	138639
<b>UniProt ID:</b>	<a href="#">A2A3K4</a>
<b>Cytogenetics:</b>	9q22.32
<b>Domains:</b>	Y_phosphatase, DSPc, PTPc_motif
<b>Protein Families:</b>	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]

Transcript Variant: This variant (1) encodes isoform (1).