

## Product datasheet for **SC106627**

### PTPDC1 (NM\_177995) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PTPDC1 (NM_177995) Human Untagged Clone
Tag:	Tag Free
Symbol:	PTPDC1
Synonyms:	PTP9Q22
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC106627 sequence for NM\_177995 edited (data generated by NextGen Sequencing)

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ATGGCTGCAGGAGTCTTGCCTCAGAATGAACAACCATATTCTACCTTGGTGAATAACAGC
GAGTGTGTTGCAAACATGAAAGGAAATTTAGAACGTCCAACACCAAAGTACACAAAAGTA
GGGGAGCGTTTACGGCATGTCATTCTGGACACATGGCATGTTCCATGGCGTGTGGCGGT
AGAGCTTGCAAGTATGAGAACCCAGCCCGCTGGAGTGAGCAGGAGCAAGCCATTAAGGGG
GTTTACTCATCTGGGTCACTGATAATATACTGGCCATGGCCCGCCCATCTCTGAGCTC
CTGGAGAAGTACCACATCATTGATCAGTTCCTCAGCCATGGCATAAAAAACAATAATCAAC
CTCCAGCGCCCTGGTGAGCATGCTAGCTGTGGAAACCCTCTGGAACAAGAAAGTGGCTTC
ACATACCTTCTGAGGCTTTCATGGAGGCTGGCATTACTTCTACAATTTGCGATGGAAG
GATTATGGTGTAGCGTCTTACTACTATCCTAGATATGGTGAAGGTGATGACATTTGCC
TTACAGGAAGGAAAAGTAGCTATCCATTGTCATGCAGGGCTTGGTGAACAGGTGTTTTA
ATAGCCTGTTACTTAGTTTTTGCAACGAGAATGACTGCTGACCAAGCAATTATATTTGTG
CGGGCAAAGCGACCCAATCCATACAAACCAGAGGACAGCTCCTCTGTGAAGGGAAATTT
ACTCAGTTTCTAACTCCTCTCCGCAATATATTCTTGTGTGATCCCAAAGCACATGCT
GTCACCTTACCTCAATATCTAATTCGCCAGCGTATCTGTTCATGGTTATGAGGCACGA
CTTCTGAAACACGTGCCAAAAATTATCCACCTAGTTTGCAAATTGCTGCTGGACTTAGCG
GAGAACAGGCCAGTGATGATGAAGGATGTGTCCGAAGGACCTGGTCTCTCTGCTGAAATA
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CAAGTGTCTCACTGTCAGTGTA AAACTCATGGTGTGGGAGCCCTGGCTCTGTCAGGCAG
AACAGCAGGACACCCGAAGCCCTCTGGACTGTGGCTCCAGTCCCAAAGCACAGTCTTG
GTTGAACATGAAACCCAGGACAGTAAAGATCTGTCTGAAGCAGCTTCACACTCTGCATTA
CAGTCTGAATTGAGTGTGAGGCAAGAAGAATACTGGCGCCAAAGCCCTAGCAAATTTA
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AGCTTGATGTGGTCTTGGGTGGAGCAACTGAAGGAGCCTGTAATCACAAAGAGGATGTG
GACATGTTGGTTGACAGGCGAGCAGATGCCGCAGAAGCACTTTTTTTATTAGAGAAGGGA
CAGCACCAGACTATTCTCTGCGTGTGCACTGCATAGTGAACCTGCAGACAATTTCCCGTG
GATGTGGAGGAAGCTTCTTCCATGCCATTAAGGCATTCACCTAAGGTTAATTTTGAT
TCTGAAAATGGACCAACAGTTTACAACCCCTGAAGAAAATATTTAAGCACACGCTGGAA
GAAAAAGAAAAATGACAAAAGATGGCCCTAAGCCTGGCCTCTAG
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Clone variation with respect to NM\_177995.1

<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_177995 unedited</p> <pre>CAGGATATTTGTAATACGAACTCACTATAGGGCGGCCGGAATCGGCACGAGGGCGGCCT CACAGGGGCGCCCGCCACGGGAGCAGCCAGGCGCTCGCCCCAGGACGTTGTCCGGCG GGCTGGGCTGGGACCCCTCTGCCTCCAGGGCGCGTCGGGAGCAGCAGGGATCGGTGCCG GCCGTGAGGGTGCAGAGGCTGCCCTCGGGCCGCTACCCACAGACCCTCCGCGGGCA GCGTCTCCGGGCCGCGCCCTGGTCCGCGACCCGAGACTTGTGACACGGACGG CGCGTCTGCTGACCCAGCCCGCGCGAGGGCTTGAATCTCGAGCGGAAAAGACTAC CATGGCTGCAGGAGTCTTGCCCTCAGAATGAACAACCATATTCTACCTTGGTGAATAACAG CGAGTGTGTTGCANACATGAAAGGAAATTTAGAACGTCCAACACCAAAGTACACAAAAGT AGGGGAGCGTTTACGGCATGTCATTCTGGACACATGGCATGTTCCATGGCGTGTGGCG TAGAGCTTTGAGTATGAGAACCCAGCCCGCTGGAGTGAGCAGGGAGCAGCCATTAAGGG GTTTACTCATCTGGGCTACTGATAATACTGGGCCATGCCCGCCCATCTCTGAGCT CCTGGAGAAGTACCACATCATGGATCAGTTCTCAGCCATGGCATAAAAACATTATCACC CTCCANCGCCCTGGTGAAGTGTAGCTGTGGGACCCCTCGAAACAGAAAAGTGGCTCC CATACTTCTGGAGGCTTTATGGAAGCTGGCATTACTTCTTCAATTTTGAATGAAGGAT AATTGGGTAACGTCCTTATACTTCTAAATGGGGAAGGGAAGAACTTTGCCTTAAGGA AGGAAAAGTGNCCTTCTTGGATGCAGGGCT</pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' genomic read for NM_177995 unedited</p> <pre>AGAGAGCACTGGGGAAGGGTACAGGGCATGCCACCCGGGTATCTGTTCCAGGAAAACAGC TATGACCGCGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTATGGGTTGCTCTT TTTTTTTTTATCAAATAAATAACAATACTTATGTATAGCCTGATTAATTTCCCTTGTGAT ATCTCTTTTTTTCAGGTTTCAGGCTTAGATTTTTAGTTGTGCCATGCTATGGTCACATCAT AACTGTTCTCTAAGTTGAAACAAGTATTTCAACAGGCAAATAGCAAACCTCGCCAAAAGAC CTGTGGGTCACTTGCCCAAATGAGGCCTACTGAGATGAGAACAACATCTTTTTTTGGTA AAAACCTATTTTTATAGTGTATCTTTGGATATAATGCAATTTGTTTCTTCCCTTCTTTT CCAGGCCAGGCACTTGAAAATAAGACATTTTCAGGGATGGGCAACCCACTCCATTAACATC CACTGGACTCAATTTCCCAAGAAAATTAACAGTGTGAAAGAACAAGTGCATTTAGCATT TGGCATTTCAGTTAATGAGACTGATAATGACTGAAATATTTTTGATGTGCTAGAAGTCAA TTCAGAAATGTAGGACTGGAGAAAATTTCAATTTGTTCTAAATGAGTCTTGGCTTCCCTGAA ATTCCGCTTTTAAGCAGTAACTTCTTTAGTTCGAAATTAGTCTGATTAATATCACCTTTA TTGGGAAGAACTATTATCTCTCTGTGGCTTGGCCTCTGGTATCTACGTATATTAATTTA AATAAAAGTATGGCTTCAACTGATAATTGATGGTTCAGCTTACANGAACTAGTTTAGGCA GTCCCCCTTCTACTGAAGCAGTTAGGGCTAATGCACCTGTATGTCAACTCAT</pre>
<b>Restriction Sites:</b>	ECORI-NOT
<b>ACCN:</b>	NM_177995
<b>Insert Size:</b>	5000 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).

<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>	<u><a href="#">NM_177995.1</a></u> , <u><a href="#">NP_818931.1</a></u>
<b>RefSeq Size:</b>	4515 bp
<b>RefSeq ORF:</b>	2265 bp
<b>Locus ID:</b>	138639
<b>UniProt ID:</b>	<u><a href="#">A2A3K4</a></u>
<b>Cytogenetics:</b>	9q22.32
<b>Protein Families:</b>	Druggable Genome, Phosphatase
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (2) is shorter and has a distinct N-terminus, compared to isoform 1.</p>