

Product datasheet for **SC324046**

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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_177995.1
 GGGCAGCGCCGGGACGCGGCCCTCAGCAGGGGCGCCCCGCCACGGGGAGCAGCCCAGGCG
 CTCGCCCCAGGACGTTGTCCGGCGGGCTGGGCTGGGACCCTCTGCCTCCAGGGCGCGT
 GGGAGCAGCAGGGATCGGTGCCGCGCCGTGAGGGTGCGCAGAGGCTGCCCTCGGGCCCGC
 TACCCACAGACCCTCCGCGGGGAGCGTCTCCGGGCCGGCCGCGCCCTGGTCCGCGGACC
 GCAGACGACTTGTGACACGGACGGCGCGTCTGCTGACCCAGCCGGCGCCGAGGGCTTG
 GAATCTCGAGCGGAAAAGACTACCATGGCTGCAGGAGTCTTGCCTCAGAATGAACAACC
 ATATTCTACCTTGGTGAATAACAGCGAGTGTGTTGCAAACATGAAAGGAAATTTAGAACG
 TCCAACACCAAAGTACACAAAAGTAGGGGAGCGTTTACGGCATGTCATTCTGGACACAT
 GGCATGTTCCATGGCGTGTGGCGGTAGAGCTTGAAGTATGAGAACCCAGCCCGTGGAG
 TGAGCAGGAGCAAGCCATTAAGGGGGTTACTCATCTGGGTCACTGATAATATACTGGC
 CATGGCCCCCCATCCTCTGAGCTCCTGGAGAAGTACCACATCATTGATCAGTTCCTCAG
 CCATGGCATAAAAAACAATAATCAACCTCCAGCGCCCTGGTGAGCATGCTAGCTGTGGAA
 CCCTCTGGAACAAGAAAGTGGCTTACATACCTTCTGAGGCTTTCATGGAGGCTGGCAT
 TTACTTCTACAATTTTCGGATGGAAGGATTATGGTGTAGCGTCTTACTACTATCCTAGA
 TATGGTGAAGGTGATGACATTTGCCTTACAGGAAGGAAAAGTAGCTATCCATTGTCATGC
 AGGGCTTGGTCGAACAGGTGTTTTAATAGCCTGTTACTTAGTTTTTGCAACGAGAATGAC
 TGCTGACCAAGCAATTATATTTGTGCGGGCAAAGCGACCCAATTCATACAAAACAGAGG
 ACAGTCTCTGTGTAAGGGAATTTACTCAGTTTCTAACTCCTCTCCGCAATATATCTC
 TTGCTGTGATCCCAAAGCACATGCTGTACCTTACCTCAATATCTAATTCGCCAGCGTCA
 TCTGCTTCATGGTTATGAGGCACGACTTCTGAAACACGTGCCAAAAATTATCCACCTAGT
 TTGCAATTGCTGCTGGACTTAGCGGAGAACAGGCCAGTGATGATGAAGGATGTGTCGA
 AGGACCTGGTCTCTGCTGAAATAGAAAAGACAATGTCTGAGATGGTACCATGCAGCT
 GGATAAAGAGTTACTGAGGCATGACAGTGATTTTTCCAACCCGCCTAACCCCACTGCAGT
 GGCAGCAGATTTTGACAATCGAGGCATGATTTTCTCCAATGAGCAACAGTTTGACCCTCT
 TTGAAAAGGCGGAATGTTGAGTGCCTTCAACCCCTGACTCATCTGAAAAGGCGGCTCAG
 CTACAGTGACTCAGATTTAAAGAGGGCCGAGAACCCTCCTGGAGCAAGGGGAGACTCCACA



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GACAGTGCCTGCCAGATCTTGTTGGCCACAAGCCCAGGCAGCAGAAGCTCATAAGCCA
 TTGTTACATCCCACAGTCTCCAGAACCAGACTTACACAAGGAAGCCTTGTTTCGCAGCAC
 ACTTTCTTTCTGGAGTCAGTCAAAGTTTGGAGGCTGGAAGGACTCAAAGATAATGGGTC
 ACCAATTTTCCATGGAAGGATCATTCCAAGGAAGCACAGCAGAGTGGAGCTTTCTCTGC
 AGATGTTTCAGGCTCACACAGCCCTGGGGAGCCAGTTTACCCAGCTTTGCAAATGTCCA
 TAAGGATCCAAACCCTGCTCACCAGCAAGTGTCTACTGTCAAGTGTAAAACCTCATGGTGT
 TGGGAGCCCTGGCTCTGTGAGGACAGCAGGACACCCCGAAGCCCTCTGGACTGTGG
 CTCCAGTCCCAAAGCACAGTTCTTGTTGAACATGAAACCCAGGACAGTAAAGATCTGTC
 TGAAGCAGCTTACACTCTGCATTACAGTCTGAATTGAGTGTGAGGCAAGAAGAATACT
 GGCGGCCAAAGCCCTAGCAAATTTAAATGAATCTGTAGAAAAGGAGGAACTAAAAAGGAA
 GGTAGAAATGTGGCAGAAAGAGCTTAATCCCGAGATGGAGCTTGGGAAAGAATATGTGG
 CGAGAGGGACCCTTTCATCTATGCAGCTTGTGTGGTCTTGGGTGGAGCAACTGAAGGA
 GCCTGTAATCACCAAAGAGGATGTGGACATGTTGGTTGACAGGCGAGCAGATGCCGAGA
 AGCACTTTTTTTATTAGAGAAGGGACAGCACCAGACTATTCTCTGCGTGTGCAGTGCAT
 AGTGAACCTGCAGACAATCCCCTGGATGTGGAGGAAGCTTTCCTTGCCCATGCCATTAA
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 GAAAATATTTAAGCACACGCTGGAAGAAAAAGAAAAATGACAAAAGATGGCCCTAAGCC
 TGGCCTTAGCTTCACTCGTGGTGAATATTTAGACCTAAAGATCCAGATAGTATCTCT
 GTTCATATGTGAATAAGTTGAAGATTGTGGGGCTACTTTTTCTCATAGCACTTTATTTTG
 AATGTTGTAGTTTGTGCTGAGAATGGTCGTCCGATTTGAACCAATTATTTATTTTAA
 ATATATTTAAGCTACATTTTGTGTTTAAAAATGCCATAAATTTGGTGCCACTTTCTTT
 TATTTATTTGACTGAGTTAATATTATTGATTAACATTTTAAAGTATATGGTGTTTACATT
 CTTATTTCTTTGACATTTTGGAAATAATCATAACTGTCTTTCCAAAATAACCATTTTC
 TTGATGGAACCTTCTAGAGTTTTTACCAAATAGCTAAGTTTGTAGTAAAACCTCATT
 GTGTATCCATTCCCCACAGATGAACTAAGAAAGTCACCAAGTGTCTTAAGCTGTTTTAT
 ATTTGTTACGAAGAAGGCTATTGCTACAATATTTTTAAAGGTTTCTTTTTAACTTTGAA
 ATTTTTGTTTTTCTTTTTCTTTTTATAAATGTAACAGAGGGTTTCAAAGCATATTATTT
 TTCAGAGAGATTTAGTTTTACTTTAATGGAGTGACTGTGAAGTGGTTGGGATTTTTGCT
 TGTAGAAAGTAGACTTGCTCTTTGTCAGATTTCCAAACAACCTTGCCAGCCTTGCTGTC
 AAAAGGAGGCAGGAGCAGTTCTCAACACACCAAGCCTTATCCCCTCCCTGGGTTGCT
 GCTGAGCCAAATAGCATCTTTACAGAGGAAGTGGGATCAGAGGCAGGAAGTGTGGAAGT
 TGCTAAGAAGCAGGGCTTGCCCTGTCCCTCCCGGGGACTCCACAGGGATATTCGTGCAGG
 GCAGGGGCTCTGTGCCAGCCCTGCTCTCTCAGATGCCACAGCCACTCTGCAGAGGTGACT
 CTTGGAGCTGGAGGAAGTCAAACTGGGCCACTGTTTGTACTGATGGTGTATTAGCATGA
 GCAGCGTGGCCCTGGCCCAACCTCCCAAATCTGCCACTCCATAGACCCACTTGCCCTCAA
 GGCTTTATATTTGGCTGCTTTCTTACAATGAGAATTAAGATTTTTAACTGAAGTTGACC
 ATACAGTTGCATTAGCCCTAAGTGGCTTCATGTAAGAAGGGTACTGCCTAACTAGTT
 CCTTGTAAGCTGAACCATCAATTATCAGTTGAAGCCATACTTTTATTTAAATTAATATAC
 GTAGATACCAGAGGCCAAGCCACAGAGAGGATAATAGTTCTTCCCAATAAAGGTGATATT
 AATCAGACTAATTTGAACTAAAGAAGTTACTGCTTAAAGACGGAATTTAGGGGAAGCA
 AGACTCATTTAGAACAAATGAAATTTCTCCAGTCTACATTTCTGAATTGACTTCTAGCA
 CATCAAAAATATTTAGTCATTATCAGTCTCATTAACTGAAATGCCAAATGCTAAATGCA
 GTGTTCTTTACACTGTTTTAATTTTCTGGGAAATTGAGTCCAGTGGATGTTAATGGAG
 TGGGTTGCCCATCCCTGAAATGTCTTATTTTCAAGTGCCTGGCCTGGGAAAGAAGGGGAA
 GAAACAATTGCATTATATCCAAAGATACACTATAAAAAATAGAGTTTTTACAAAAAAGA
 TGTTTGTCTCATCTCAGTAGGCCTCATTGGGCAAGTGACCCACAGGTCTTTGGCGAG
 TTTGCTATTTGCCTGTTGAAATACTTGTTCAACTTAGAGAACAGTTATGATGTGACCAT
 AGCATGGCACAATAAAATCTAAGCCTGAAACCTGAAAAAAGAGATATGACAAGGGAAA
 TTAATCAGGCTATACATAAGTATTGTATTTATTTGAAAAAAAAAAAAAAAA

Restriction Sites:

ECoRI-NOT

ACCN:

NM_177995

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:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_177995.1</u> , <u>NP_818931.1</u>
RefSeq Size:	4515 bp
RefSeq ORF:	2265 bp
Locus ID:	138639
UniProt ID:	<u>A2A3K4</u>
Cytogenetics:	9q22.32
Protein Families:	Druggable Genome, Phosphatase
Gene Summary:	<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>