

Product datasheet for **RR212558**

Ptpdc1 (NM_001106104) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ptpdc1 (NM_001106104) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ptpdc1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR212558 representing NM_001106104
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTGCAGGAGTCTTGCCGAGAATGAAAATCCGTATTCCACGTTGGTGAATGACAGTGGGCATGCTG
 CATACTGGATGAAAATTCAGGCCGCCAACACCTAAATACACAAAAGTGGGAGAACGTTTGCGGCATGT
 CATCCCTGGACACATGGCGTGTCCATGGCGTGTGGGGGAGAGCGTGTAAAGTACGAGAACCAGCCCGC
 TGGAGTGAGCAGGAGCAGGCCATCAAAGGTGTTTACTCATCTGGGTCACTGACAATATCTGGCCATGG
 CTCGCCCATCTCTGAGCTGCTGGAGAAGTATCACATCATTGAGCAGTTCCTCAGTCATGGCATAAAAAAC
 AATAATCAACCTGCAGCGTCTGGGGAGCATGCCAGCTGTGGAACTCTCTGGAACAAGAAAAGTGGTTTC
 ACATACCTTCCAGAGGCATTTATGGAGGCGGCCATTTATTTCTACAACCTCGGGTGAAGGATTATGGCG
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 TGCTGTGTGTGCGGGAATTCACCTCAGTTTCTGGCTCCACTCCGTAATATTTTCTTGTGCGACCCCAA
 AGCACACGCTGTACCTTAGCACAGTACCTGATGCGCCAGCGTCACTGCTTTCATGGTTACGAGGCGCGC
 CTTCTGAAGTATGTGCCAAGATCGTCCACCTAGTCTGCAAGCTGCTGCTGGACGTGGCTGAGAACAGGC
 CAGTCGTGATGAAGAGCGTGTAGAAAGACCCGAGCTCTCTGCCGAAATTGAAAAGACGGTGTCTGAAAT
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 CTTAAAGAGGGCCAAAGCCATCCTGGAGCAAGGGGAGACACCTTGACAGTGCCTGCCAGGAGCTGCTC
 GACCACAGTCTCCAGCAGCAGACGCCACAAGCCATTGCTTCTGCCCGGACTCCAGAGCTAGGTTTAC
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 ATTCAGAGCGAGGCGCCCACTGCCGGTGTGAGGCTCCTGAGGGTGGGTGCCAGGCCCTGTCCCAAGAT
 GGGCCGGAGCCCTGCAGCCCTGCACCTGTGACACCAGCCCTAAAGCGCAGTTCTCATGTGGACAGGAA
 ACCCAGGACAGCACATACCTGCCGGAGGCAACGCCACACGCCGCTGCAGTCTGAACTGAACGCTGAAG
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 AGGATGTGGACATGCTGGTCGACAGACACGCAGATGCTGCCGAAGCCCTGTTTTACTAGAGAAGGGGCA
 GTACCAGACCATCCTCTGTGTGTTGCATTGCATTGTGAGCCTGCAGACGCTTCCGGTGGAGGTGGAGGAA
 GCTTGCCTTTCACATGCCATTAAGCCCTCACCAAGGTTAATTTTGAATCTGAAAATGGACCAATAGTTT
 ACGACACCCTGAAAAAATTTAAGCACACGTTGGAAGAAAAGAAAAATGGCAAAAGACAGCCCGAG
 GCCTGGTCTCTCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR212558 representing NM_001106104
 Red=Cloning site Green=Tags(s)

MAAGVLPQENPYSTLVNDSGHAAAYMDENSGRPTPKYTKVGERLRHVIPGHMACSMACGGCRACKYENPAR
 WSEQEQAIKGVYSSWVTDNILAMARPSSELLEKYHIEQFLSHGIKTIINLQRPGEHASCNGSLEQESGF
 TYLPEAFMEAGIYFYNFGWKDYGVASLTAILDMVKVMTFALQEGKVAVHCHAGLGRGTGVL IACYL VFATR
 MTADQAIIFVRAKRPNSIQTRGQLLCVREFTQFLAPLRNIFSCCDPKAHAVTLAQYLMRQRHLLHGYEAR
 LLKYVPKIVHLVCKLLLDVAENRPVVMKSVLEGPESAEIEKTVSEMVMTQLDQELLRQNSDVPDPFNPT
 AEVAEFDSDVILSNEHEFDPLWKRRIERLQPLTHLKRQLSYSDSLKRAKAILAQGETPWTVPAQELL
 DHSLQQQTPTSHCFPPTEPGLHKDTRLVRNTFSFWTESKCGGLEPKDEGSLLLCRKDSPKEVQRSRTF
 SVGVSCSHNPGEAPPNFTRTHKDSERGAHCRCEAPEGWVPGVPKMGSRPCSPHLCDTSPKAQFSCGQE
 TQDSTYLPEATPHAGLQSELNAEARRILAAKALANL TEFVEEEEVKRRVEMWQKELNSREGAWERICGER
 DPFILCSLMWSWVEQLKEPVIKEDVDMLVDRHADAAEALFLLEKGOYQITLCVLHCIVSLQTLPVEVEE
 ACLSHAIKAFTKVNFDSENGPIVYDTLKKIFKHTLEEKRMKADSPRPGLS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

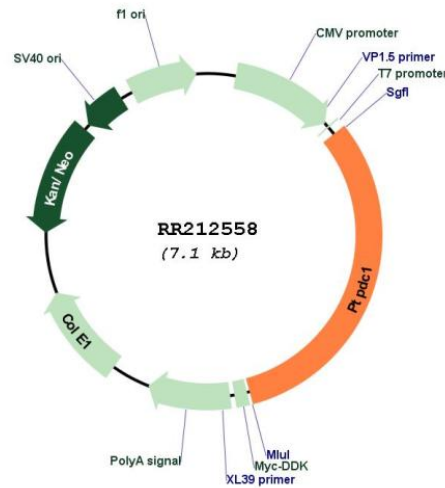
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001106104

ORF Size: 2253 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001106104.1](#), [NP_001099574.1](#)

RefSeq Size: 3040 bp

RefSeq ORF: 2256 bp

Locus ID: 291022
Cytogenetics: 17p14
MW: 84.5 kDa