

Product datasheet for **RR214250**

Pcolce (NM_019237) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pcolce (NM_019237) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pcolce
Synonyms:	PCPE
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR214250 representing NM_019237
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCTGCCTGCTGCCCTAACCTCCCTGCTGGGGCCATTCTTCTAGCCTGGGTGCTGCCTTTGCCCGAG
 GCCAGACCCCAACTACACGAGACCAGTGTTCCTGTGGAGGGATGTGACCGGGGAGTCGGGTTACGT
 GGCAAGTGAGGGTTTCCCAACCTCTACCCCCAAACAAGAGTGCATCTGGACAATAACGGTGCCTGAG
 GGCCAGACTGTGTCCCTGTCTTCCGAGTCTTTGATATGGAACCTCACCTTCTGCCGCTATGATGCTC
 TGGAGGTCTTTGCTGGATCCGGGACCTCAGGCCAGCGACTTGGACGCTTCTGTGGACCTTCAGGCCTGC
 GCCTGTAGTTGCACCTGGCAACCAAGTACTTTAAGGATGACAACCTGACGAGGGCACTGGGGACGAGGA
 TTCTGCTCTGGTACAGCGGTCCGGCCACCTCAGGCAGTACCAGTTCGCGGGGGCGGATGGAGA
 AGGCGCAGGGAACCTGACCAGCCCAACTGGCCTGAGTCGGATTACCCCCAGGCATCAGCTGTTCTCTG
 GCACATCATTGCACCCTCAAACAGGTGATCATGCTAACCTTCGGGAAGTTTGATGTGGAGCCTGACACA
 TACTGCCGATATGACTCTGTGAGTGTTCATGGAGCTGTGAGTGACGACTCAAAGAGGCTGGGGAAAT
 TTTGCGGAGACAAGGCCCTAGCCCCATCTCTCCGAAGGGAATGAGCTCCTGGTCCAGTTTGATCAGA
 TCTCAGTGTCACTGCCGATGGCTTCTCAGCCTCTACAGGACCTGCCACGGGATGCCGTGGAAAAGGAG
 TCAGCCCCAAGTCCAGGGGAGGATGCACAGCATGGTCCCAGTCCCGCTCTGACCCTAAGACAGGAACTG
 GGCCAAAGTCAAACCCAGTAAGCCTAAAGTCCAGCCTGTAGAGAAACCTGAGGGCTCTCTGCTAC
 CCAGGCAACTCCAGTTGCTCCAGATGCCCCAGCATCACTTGCCAAAGCAGTACAAGCGGTGAGGCACC
 TTGCAGAGCAACTTTTGTCCAGTAGCCTGGTGGTGACAGGAACAGTGAAGGCCATGGTCCGGGGCCAG
 GGGAGGGCCTCACTGTCACCGTCAGTCTCTGGGTGTCTACAAAACCGGAGACCTGGACCTGCCCTCTCC
 AGCTAGTGGCACCTCTCTGAAGTTCTATGTGCCCTGCAAGCAGATGCCCCCATGAAGAAAGGAGCCAGT
 TACCTGCTGATGGGTGAGGTGGAAGAGAACAGAGGCCCATCTTCTCCTCCGGAGAGCTTCGTGGTCTCT
 ACAGGCCCAACCAGGACCAGATCCTGAGTAACCTAAGCAAGAGAAAGTGCCCTCCAGCCTAGGCCAGA
 TGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR214250 representing NM_019237
 Red=Cloning site Green=Tags(s)

MLPAALTSLLGPFLLAWVPLARGQTPNYTRPVFLCGGDVTGESGYVASEGFPNL YPPNKKCIWITVPE
 GQTVSLSFRVFDMEHPSCRYDALEVFAGSGTSGQRLGRFCGTFRPAPVVAPGNQVTLRMTTDEGTGGRG
 FLLWYSGRATSGTEHQFCGGRMEKAQGTLLTPNWPESDYPPGISCSWHIIAPSNQVIMLTFGKFDVEPDT
 YCRYDSVSVFNGAVSDDSKRLGKFCGDKAPSPISSEGNELLVQFVSDL SVTADGFSASYRTLPRDAVEKE
 SAPSPGEDAQHG PQRSRDPKGTGPKVKPPSKPKVQPVKEPEGSPATQATPVAPDAPSI TPKQYKRS GT
 LQSNFCSSSLVVTGTVKAMVRGPEGLT VTVSLLGVYKTGDLDLSPASG TSLKFYVPCKQMPMKKGAS
 YLLMGQVEENRGPILPPESFVVL YRPNQDQILSNL SKRKCPSQPRPDA

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_019237

ORF Size: 1404 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_019237.1](#), [NP_062110.1](#)

RefSeq Size: 1547 bp

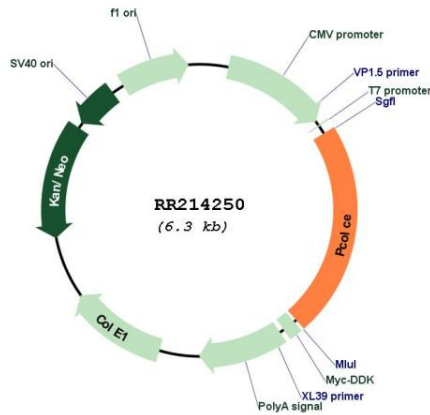
RefSeq ORF: 1407 bp

Locus ID: 29569

UniProt ID: [O08628](#)

Cytogenetics: 12q12
MW: 50.2 kDa
Gene Summary: may play a role in type I collagen processing; may bind and stabilize RNA during protein synthesis [RGD, Feb 2006]

Product images:



Circular map for RR214250