

Product datasheet for RN205534

Pc (NM_012744) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pc (NM_012744) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pc
Synonyms:	Pcx
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN205534 representing NM_012744 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCTGAAGTTCCAACAGTTCGAGGGGGCCTGAGGCTCCTGGGTGTCCGCCGATCCTCCACAGCCCCCG
TTGCCCTCCCAAATGTCCGGCGTCTGGAGTACAAGCCCATCAAGAAAGTAAATGGTGGCCAACAGAGGTGA
GATTGCCATCCGAGTGTTTCGTGCTGCACAGAGCTGGGTATCCGCACAGTGGCTGTCTACTCGGAGCAG
GACACAGGGCAGATGCACCGGCAGAAAGCTGATGAAGCCTACCTATTGGCCGTGGGCTGGCTCCTGTGC
AAGCCTACCTGCACATCCAGACATCATTAAAGGTGGCCAAGGAGAATGGTGTAGATGCTGTGCACCTGG
CTATGGGTTCTCTCAGAGAGAGCAGACTTTGCCAGGCCCTGCCAAGATGCTGGAGTCCGATTCAATGGT
CCAAGCCAGAGGTGGTCCGCAAGATGGGAGACAAGGTGGAAGCCCGGGCCATTGCCATTGCTGCAGGCG
TTCCAGTGGTCCCTGGCACTAATCCCCCATCAATCCCTGCATGAGGCACACGAGTCTCTAACACCTA
TGGTTCCCTATTATCTCAAGGCTGCCTATGGAGGTGGGGCCGTGGCATGAGGTTGTGCATAGCTAC
GAGGAGCTGGAAGAGAATTACACCCGGGCTACTCTGAGGCTTGGCAGCCTTTGGGAATGGGGCATTGT
TTGTGGAGAAATTCATTGAGAAGCCAAGACACATTGAGGTGCAGATCCTAGGGACCAATATGGAAACAT
CTTGCACTTGATGAGCGGGACTGCTCCATCCAGCGCGGCACCCAGAAGTCCGTCGAGATTGCCCTGCT
ACCCACCTGGACCCCAACTTCGGTCACGCCTCACAGTACTCTGTCAAACCTGCCAAGCAGGTTGGCT
ATGAGAATGCAGGCACTGTGAGTTCCTGGTGGACAAGCATGGCAAGCACTACTCATCGAGGTCAATTC
CCGCTGCAGGTGGAGCACCGGTCACTGAGGAGATTACAGATGTGGACCTGGTCCATGCTCAGATCCAT
GTCTCCGAAGGCCGAGCCTGCCTGACCTGGGGCTGCGGCAGGAAACATCCGAATCAATGGTTGTGCCA
TTCAGTGTCCGGTCACTGAGGACCTGCACGCAGCTCCAGCCAGACTGGCCGATTGAGGTTTT
CCGGAGTGGTGGGGCATGGGCATCCGCTGGACAATGCCTCAGATTCCAGGGAGCTGCATATCCCC
CACTATGACTCCCTGCTGGTCAAAGTCATTGCCATGGCAAAGACCACCTACAGCTGCCACCAAGATGA
GCAGAGCCCTGGCGGAGTTCCTGTCCGAGGTGTAAGACCAACATCCCCCTTCTGCAGAATGTTCTCAA
CAACCAGCAGTTCCTAGCGGGCATTGTGGACCCAGTTCATCGATGAGAACCCCGAGCTGTTCCAGCTG
CGGCTGCACAGAACCGGGCCAGAAGTTGCTACATTACCTTGGACACGTGATGGTCAATGGCCCTACCA



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CTCCAATCCCCGTCAAGGTCAGTCCCAGCCCTGTGGACCCATTGTTCTGTGGTGCCCATAGGCCACC
 CCCAGCTGGTTTCAGAGACATCCTTCTGCGAGAGGGGCCAGAGGGCTTTCAGAGCTGTGCGGAATCAC
 CAGGGGCTGTGCTAATGGACACAACCTTCCGGGATGCCACCAGTCACTACTTGCCACTAGAGTGC
 CACACGATCTCAAAAAGATTGCACCCTACGTTGCCACAACCTTCAACAACCTCTTCAGCATAGAGAACTG
 GGGAGGAGCCACATTTGACGTGGCCATGCGCTTCTTGTATGAGTGCCCTGGCGGGCTCCAGGAGCTC
 CGGGAGCTATCCCCAACATCCATTCCAGATGCTACTGAGGGGGCCAAATGCTGTGGGTACACCAACT
 ACCCTGACAACGTGGTCTTCAAGTTCTGTGAGGTGGCCAAAGAGAATGGCATGGACGTCTCCGGATCTT
 TGACTCCCTTAACTACCTGCCAAACATGCTGCTGGGCATGGAAGCAGCTGGCAGTCTGGGGTGTGGTG
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 TGGGCTTAGTGAAGAACTGGTGCAGCCGGCACTCACATCCTCTGCATTAAGGACATGGCAGGCTGT
 GAAGCTGCAGCATGCACCATGTGGTCACTCCCTCCGGGACCGTTCCCGACCTCCCACTGCACATC
 CATACCCATGACACATCAGGGTCAGGTGTGGCAGCCATGTTGGCCTGTGCACAAGCTGGGGCTGATGTTG
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 CAAAGGGACTCCTCTGGACACAGAGGTACCCTGGAGCGTGTGTTGACTACAGTGAGTATTGGGAAGGG
 GCTCGGGGCTGTATGCAGCCTTTGATTGCAGCGTACCATGAAGTCTGGCAACTCAGACGTGTATGAGA
 ATGAGATCCCAGGGGCCAGTACACCAACTACTTCCAGGCCACAGCATGGGACTTGGCTCCAAGTT
 CAAGGAGGTCAAGAAGGCCTATGTGGAGGCTAACCAGATGCTGGGGGACCTCATCAAGGTGACACCATCC
 TCCAAGATTGTGGGGATCTGGCCAGTTCATGGTGCAGAACGGGTTGAGCCGGGAGAGGCAGAAAGCTC
 AGGCAGAAAGAGCTGTCTTCCCGCTCTGTGGTGGAGTCTCCAGGGCTACATTGGCATTCCCATGG
 GGGTTTCCCTGAACCTTCCGTTCTAAGGTGCTAAAGGACCTGCCAAGAATAGAAGGGAGGCCTGGAGCC
 TCCCTCCCTCCCTGAACCTGAAGGAGCTGGAGAAGGACCTGATTGATAGGCATGGAGAGGAGGTGACCC
 CAGAGGACGTTCTCTCTGACCCATGACCTGATGTCTTTGCTCAGTTCAAAGACTTACGGCTACCTT
 TGGCCCCCTGGATAGCCTGAATACTCGTCTTTCTTCAAGGACCCAAAATTGCAGAGGAGTTTGGGTT
 GAGCTGGAACGGGCAAGACCTTGACATCAAAGCCCTGGCTGTAAAGCAGCTGAACCGTGTGGCCAGA
 GGCAGGTGTTCTTGAACCTCAATGGGCAGTTCGATCCATTCTGGTTAAAGACACCCAGGCCATGAAGGA
 GATGCACTTCCATCCCAAGGCCTGAAGGATGTGAAGGGCCAAATTGGGGCCCTATGCCTGGGAAGGTC
 ATAGAGCTCAAGGTGGCAGCAGGAGCAAGGTGGTTAAGGGCCAGCCCTCTGTGTGCTCAGCGCCATGA
 AGATGGAGACTGTGGTACTTCGCCATGGAGGGCACTATCCGAAAGGTTACGTGACCAAGGACATGAC
 TCTGGAAGGCGATGACCTCATCTAGAGATTGAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_012744
- Insert Size:** 3537 bp
- 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).
- 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_012744.2](#), [NP_036876.2](#)

RefSeq Size: 4024 bp

RefSeq ORF: 3537 bp

Locus ID: 25104

UniProt ID: [P52873](#)

Cytogenetics: 1q43

Gene Summary: biotin-containing enzyme that catalyses the carboxylation of pyruvate to form oxaloacetate [RGD, Feb 2006]