

Product datasheet for **RR205534**

Pc (NM_012744) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pc (NM_012744) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pc
Synonyms:	Pcx
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR205534 representing NM_012744 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCTGAAGTTCCAACAGTTCGAGGGGGCCTGAGGCTCCTGGGTGTCCGCCGATCCTCCACAGCCCCCG
TTGCTCCCAAATGTCCGGCTCTGGAGTACAAGCCCATCAAGAAAGTAAATGGTGGCAACAGAGGTGA
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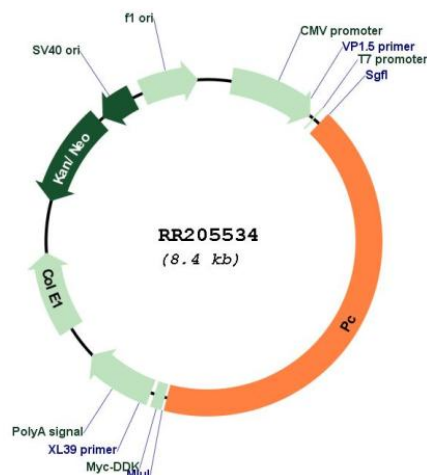


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CTCCAATCCCCGTCAAGGTCAGTCCCAGCCCTGTGGACCCATTGTTCTGTGGTGCCCATAGGCCACC
CCCAGCTGGTTTCAGAGACATCCTTCTGCGAGAGGGGCCAGAGGGCTTTCAGAGCTGTGCGGAATCAC
CAGGGGCTGTGCTAATGGACACAACCTTCCGGGATGCCACCAGTCACTACTTGCCACTAGAGTGCGCA
CACACGATCTCAAAAAGATTGCACCCTACGTTGCCACAACCTTCAACAACCTCTTCAGCATAGAGAACTG
GGGAGGAGCCACATTTGACGTGGCCATGCGCTTCTTGTATGAGTGCCCTGGCGGGCTCCAGGAGCTC
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Plasmid Map:



ACCN: NM_012744

ORF Size: 3534 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_012744.2](#), [NP_036876.2](#)

RefSeq Size: 4024 bp

RefSeq ORF: 3537 bp

Locus ID: 25104

UniProt ID: [P52873](#)

Cytogenetics: 1q43

MW: 129.8 kDa

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