

## Product datasheet for **RR209582**

### Cpq (NM\_031640) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cpq (NM_031640) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cpq
Synonyms:	LAL; lal-1; Pgcp
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR209582 representing NM\_031640  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAGGTTCTTTTCTTCTGTTGCTGTTGTTACCTTTTCTCCTGGGCTCTGAAAAGCTATAT  
 ACAAGAGTGGTGTTCAGCGAACATTTCAAGAAATAAAAGAAGAAATAGCCAACATATGAAGATGTTGC  
 TAAAGCAATTATCAACCTTGCTGTTTATGGAAAATACCAGAACCCTGATGAGCGTTTGGGACTTCTA  
 GTTGATACTGTTGGACCCAGACTGAGTGGCTCTAAGAACCAGAGAAAGCTATCCAAATCATGTACCAAA  
 ACCTGCAACAAGATGGGCTGGAAAACGTCCACCTGGAGCAGGTCAGAATACCTCACTGGGGGAGGGGCGA  
 AGAATCTGCAGTATGGTGGTGCCTCGAATTCACAAGTTGGCTATTTTAGGCCTTGGCGGCAGCATTGGG  
 ACTCCTCCTGAAGGTATCACAGCAGAAGTACTCGTGGTGGCTCTTTTGTGAACCTCAAAGAAGGGCAT  
 CAGAGGCAAGAGGAAGATTGTTGTTTATAACCAGCCTTACACTGACTATGGGAAAAGTGCAGTACCG  
 GGAGCGCGGAGCTGTGGAAGCTGCAAGGTGGGGCCGTCGCATCCCTCATCCGATCAGTAGCTTCTTTT  
 TCCATCTACAGTCTCACACAGGTCATCAAGGATATCAAGATGGTGTGCCAAGATTCCAACAGCCTGTA  
 TCACAATAGAAGATGCAGAAATGATGTCTCGAATGGCTTCTCGTGGGGACAAAATGTCATTTCATCTGAA  
 AATGGGAGCAAAGACCTATCCAGATACAGATTCCTTCAACTGTTGAGAGATCACTGGGAGCAAGTAT  
 CCAGAGGAAGTTGCTGGTCACTGGACATCTGGACAGCTGGGACGTCGGGACAGGTCAGTGGATGATG  
 GCGGTGGAGCCTTCATATCATGGGAAGCACTCTCACTTGTAAAGATCTTGGGCTGCGTCCAAGAGGAC  
 TCTGCGCTTGGTCTCTGGACCGCAGAAGAACAAGGAGGGTGGTGCCTCCAGTATTATGAGCTACAT  
 AAGGCAAATATTTCCAAGTACAGTTTGGTATGGAGGCTGACTCAGGAACCTTCTACCCACTGGCTGC  
 AGTTCACCGCAGTGACAAGGCCAGGGCTATCATGAAGGAAGTCATGAGTCTCCTGCAACCCCTCAAT  
 ACCCAAGGTCTTTAATGATGCAGAAGGAAGTACATTAACCTTCTGGATCCAAGCTGGAGTGCCTGGAGCC  
 AGTCTGCGAGATGACTTGTACAAGTATTTCTTTTCCATCATTCCCATGGAGACACCATGACTGCCATGG  
 ATCCAAGCAGATGAATGTTGCTGCTGCTGTTGGGCTGTTGTCGCTTACGTTGTGGCAGACATGGAGGA  
 AATGCTGCCAGGTCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR209582 representing NM\_031640  
 Red=Cloning site Green=Tags(s)

MRFLFFLVAVVHLFSLGSGKAIYKSGVSQRTEIKEEIANVEDVAKAIINLAVYGKYQNSYERLGLL  
 VDTVGPRLSGSKNLEKAIQIMYQNLQQDGLNVHLEQVRIPHWGRGEESAVMVVPRIHKLAILGLGGSIG  
 TPPEGITAEVLVVASFVELQRRASEARGKIVVYNQPYTDYGKTVQYRERGAEEAAKVGAVASLIRSVASF  
 SIYSPHTGHQGYQDGVPKIPTACITIEDAEMMSRMSRMDKIVIHLMGAKTYPDTSFNTVAEITGSKY  
 PEEVVLVSGHLDSWDVGQALDDGGGAFISWEALSLVKDLGLRPKRTLRLVLTAEQGGVGASQYYELH  
 KANISKYSLVMEADSGTFLPTGLQFTGSDKARAIMKEVMSLLQPLNITKVFNDAEAGTDINFWIQAGVPGA  
 SLRDDLYKYFFHHSHGDTMTAMDPKQMNVAADVAVVAVVADMEMLPRS

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

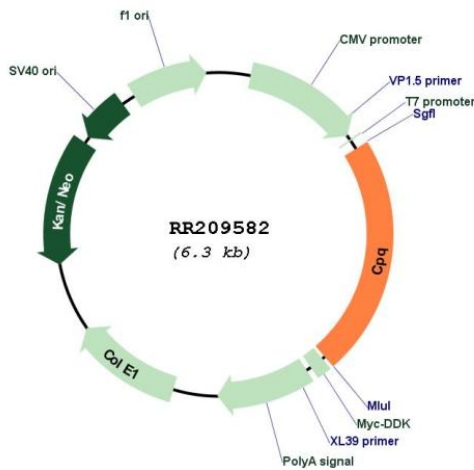
**Restriction Sites:**

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_031640

ORF Size: 1416 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\\_031640.1](#), [NP\\_113828.1](#)

**RefSeq Size:** 1778 bp

**RefSeq ORF:** 1419 bp

**Locus ID:** 58952

**UniProt ID:** [Q6IRK9](#)

**Cytogenetics:** 7q22

**MW:** 52 kDa

**Gene Summary:** plays a role in liver regeneration [RGD, Feb 2006]