

## Product datasheet for **RR210892**

### **Cdca4 (NM\_001037214) Rat Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Cdca4 (NM\_001037214) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Cdca4  
**Synonyms:** MGC124732  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR210892 representing NM\_001037214  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTTTGCTAGAGGCCTGAAGAGGAAATGTGGTGACCAGGAAGAAGGAGTAGAGGGTTTTGGCACTGTCC  
CTTCCTATAGCCTGCAGCGACAGTCACTCCTGGACATGTCCCTTGTGAAGCTCCAGCTCTGTCACATGCT  
AGTGGAGCCCAACCTCTGCCGCTCAGTCCTTATTGCCAACACAGTACGACAGATCCAGGAGGAAATGAGC  
CAGGATGGCGTGTGGCATGGGATGGCACCCAGAGTGTAGAACGGGCACCAATTGACCGACTAGTATCCA  
CAGAGATCCTGTGTCGTACAGTGAGGGGATCTGAGGGGGAGCACCCACCTCAGAAGTGGAAAGACAGTCC  
CTTGCAAAGCTCAGCTTCCGAGCTTCCCATCGTTGGCTCAGCACAGGGGCAAAGGAACCCCTCAGAGCAGC  
CTCTGGGAGATGGACAACCCACAAGAAAACCGGGGAAGCCTTCAGAAGTCCCTGGACCAGATATTTGAGA  
CCCTGGAGAACAAAACTCCAGTTCAGTGGAGGAACTCTCTCAGATGTGGACAGCTCCTACTATGACCT  
GGACACAGTGCTAACAGGAATGATGACTGGGACCAAGTCCAGTCTCTGCAATGGTCTTGAGAGCTTACT  
GCAGCCGCCCTCTCCAGCTCCACTTGCAAGTCTGACCTGGCTGAACTGGACCAGTCTGATAGAGATTC  
TGGTGGAGACC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR210892 representing NM\_001037214  
Red=Cloning site Green=Tags(s)

MFARGLKRKCGDQEEGVEGFGTVPSYSLQRQSLDMSLVKLQLCHMLVEPNLCRSVLIANTVRQIQEEMS  
 QDGVVHGMAPQSVERAPIDRLVSTEILCRTVVRGSEGEHPTSELEDSPLOSSASELPVIGSAQQRNPQSS  
 LWEMDNPQENRGSLOKSLDQIFETLENKNSSSVEELFSDVDSSYYDLDTVLTGMMTGKSSLCNGLESFT  
 AAAPPPSSTCKSDLAELDHVVEILVET

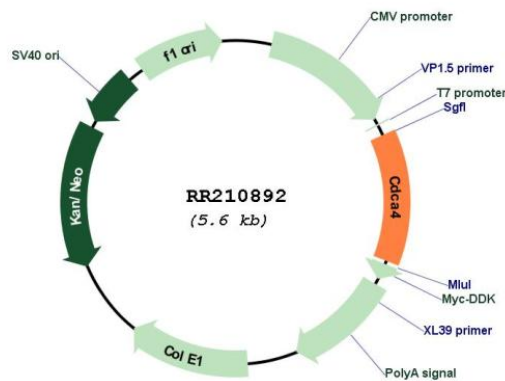
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001037214

**ORF Size:** 711 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001037214.1</a> , <a href="#">NP_001032291.1</a>
<b>RefSeq Size:</b>	2325 bp
<b>RefSeq ORF:</b>	714 bp
<b>Locus ID:</b>	500727
<b>Cytogenetics:</b>	6q32
<b>MW:</b>	26 kDa