

## Product datasheet for **MC200701**

### **Cdca4 (BC012953) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Cdca4 (BC012953) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cdca4
Synonyms:	2410018C03Rik; HEPP; SEI-3
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC012953  
 CAGGAAGAAGGAGTAGAGGGTTTTGGCACTGTCCCTTCTATAGCCTGCAGCGACAGTCACTCCTGGACA  
 TGTCCTTGTCAAGCTCCAGCTCTGTACATGCTAGTGGAGCCCAATCTCTGCCGCTCGGTCTCATCGC  
 CAACACAGTCCGGCAGATCCAGGAGGAAATGAGCCAGGATGGTGTGTGGCATGGGATGGCACCCAGAAAT  
 GTAGATCGGGCACCAGTTGAGCGCCTGGTGTCCACAGAGATCCTGTGCGTACAGTGAGGGGAGCTGAGG  
 AAGAGCACCTGCTCCTGAAGTGAAGATGCTCCCTTGCAAAACTCGGTTTCCGAGCTCCCATCGTTGG  
 CTCAGCACCGGGCAAAGGAACCCTCAGAGCAGCCTCTGGGAGATGGACAGCCCAAGAAAACAGGGGA  
 AGCTTTCAGAAGTCACTGGACCAGATATTTGAGACCCTGGAGAACAACAACTCCAGTTCAGTGGAGGAAC  
 TCTTCTCAGATGTGGACAGCTCCTACTATGACCTGGACACAGTGCTAACAGGAATGATGACTGGGACCAA  
 GTCCAGTCTCTGCAATGGCCTTGAGGGCTTTGCTGCAGCCGCCCTCCTCCAGTTCACCTGCAAGTCT  
 GACCTGGCTGAGCTGGACCATGTGGTAGAGATTCTGGTGGAGACCTGAGAGGCCACCCAGTGGGCTAAG  
 GGTGAGGCCACCAGTCCCATGGAGCTCACGTGTGTTGTGACCCAGAGACAGATAAGCACTTGTCTAAG  
 AGGGGCTCTGGCTCTTGAGCTCATTATCCTTTTGTGTGACATTGGACTCACTGTGGAGGATGGTGTGCA  
 CAGCTATGTCTAGTCTATTTTCAATTAGATAGGTGAACCTTCTAAAATTAAGTTTATATGTTTTGGGC  
 AATATTTTGTCTTAAGATATATTTTTAACTTTTATACTTTAGATTTTTTTCAGTATTTTTCTTAAAA  
 GTATATTTTTTCTACAAACATCCTCTGCTGCTACATTAGAAACATTTATAACCTAAATACGATTGGTGTG  
 TCATTTTAAAGGTTTAAATAGAAAACCTCTTTTGTACTGAGTCTCTACACTCCCAAGGCAACTGTAAT  
 GTAGCCGGCCGGGTGTTTACATGAGAGGCTCCAGTATGGTCTACATTCTAGTAGAGCTTGAAAAGAGAAC  
 CATGCACAGTCCACTGCCCCCTCATTGGGTCTGCTCTGGCGGATCGGAGCTCTTTCCTAGCCCGTGT  
 GCAGGATGGCTTTATTTATGCCTATTTATGTAATGCCACTGAAAGCTAAGGTCTTACTCCTGGAAT  
 CCCAACACCAGTCTTTCAGGGACTGCTGTGAGGACAGTGCCTTATGCAGGTCTTGTCTTGGCCATC  
 ACTGTCTGGTCCCAGCCAGCACATGTGACATGAGGACATGACATGCCGAACCCAGCACCACATG  
 CTCCATGTCAAGTGTGTACGTGGAGACCCTGGCTCCAGGCTGTGCTCAGAGAGGGTGTGCTCCCA  
 CGTGTGCTGGGGGGACGACAGTACCTGTGCTTGGCTTTTAAATGGTGTGAATGTTTTAAGGT  
 TAAAAACAATCCGACTCCATATGATTTAGGGCTCTCCACCCTGGGGTGGCCCTATGCTGTCTGCTTGG  
 ATCTCAAAGTCTTGGTACTCGGCACTGTGACACTACCCCATGTATCCTTTTTGTTTCTTGTGCTTT  
 TTTTGGACTTCCCAACCTGAGCCTAAGGTTTTATTTTATATGTGCTTCAATATCAACAATGTAAACCTCA  
 CTTTATTTAAAGTATCCAGCAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** BC012953

**Insert Size:** 609 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:** [BC012953](#), [AAH12953](#)

RefSeq Size: 1856 bp

RefSeq ORF: 609 bp

Locus ID: 71963

Cytogenetics: 12 F1

**Gene Summary:** May participate in the regulation of cell proliferation through the E2F/RB pathway (By similarity). May be involved in molecular regulation of hematopoietic stem cells and progenitor cell lineage commitment and differentiation.[UniProtKB/Swiss-Prot Function]