

Product datasheet for **MR202895**

Cdca4 (NM_028023) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cdca4 (NM_028023) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Cdca4
Synonyms: 2410018C03Rik; HEPP; SEI-3
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR202895 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTTGCTAGAGGGCTGAAGAGGAAATATGGTGACCAGGAAGAAGGAGTAGAGGGTTTTGGCACTGTCC
CTTCCTATAGCCTGCAGCGACAGTCACTCCTGGACATGTCCCTTGCAAGCTCCAGCTCTGTCACATGCT
AGTGGAGCCCAATCTCTGCCGCTCGGTCCATCGCCAACACAGTCCGGCAGATCCAGGAGGAAATGAGC
CAGGATGGTGTGTGGCATGGGATGGCACCCAGAATGTAGATCGGGCACCAGTTGAACGCCTGGTGTCCA
CAGAGATCCTGTGTCGTACAGTGAGGGGAGCTGAGGAAGAGCACCTGCTCCTGAACTGGAAGATGCTCC
CTTGCAAAACTCGTTTTCCGAGCTCCCCATCGTTGGCTCAGCACCAGGGCAAAGGAACCCCTCAGAGCAGC
CTCTGGGAGATGGACAGCCACAAGAGAACAGGGGAAGCTTTCAGAAGTCACTGGACCAGATATTTGAGA
CCCTGGAGAACAAAACTCCAGTTCAGTGGAGGAAGTCTTCTCAGATGTGGACAGCTCCTACTATGACCT
GGACACAGTGCTAACAGGAATGATGAGTGGGACCAAGTCCAGTCTCTGCAATGGCCTTGAGGGCTTTGCT
GCAGCCACCCCTCTCCAGTTCACCTGCAAGTCTGACCTGGCTGAGCTGGACCATGTGGTAGAGATTC
TGGTGGAGACC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR202895 protein sequence
 Red=Cloning site Green=Tags(s)

MFARGLKRKYGDQEEGVGEGFTVPSYSLQRQSLDMSLVKLQLCHMLVEPNLCRSVLIANTVRQIQEEMS
 QDGVWHGMAPQNVDRAPVERLVSTEILCRTVIRGAEHEHPAPELEDAPLQNSVSELPVIGSAPGQRNPQSS
 LWEMDSPQENRGSFQKSLDQIFETLENKNSSSVEELFSDVDSSYYDLDTVLTGMMSGTKSSL CNLGLEGFA
 AATPPPSSTCKSDLAELDHVVEILVET

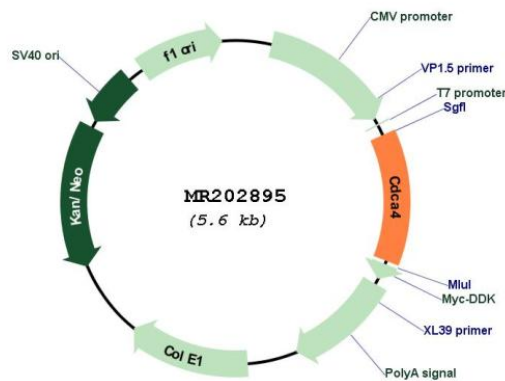
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_028023
ORF Size: 714 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:	<ol style="list-style-type: none">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_028023.3 , NP_082299.1
RefSeq Size:	2432 bp
RefSeq ORF:	714 bp
Locus ID:	71963
UniProt ID:	Q9CWM2
Cytogenetics:	12 F1
MW:	26.1 kDa
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]