

Product datasheet for **MC206873**

Cdca8 (BC068181) Mouse Untagged Clone

Product data:

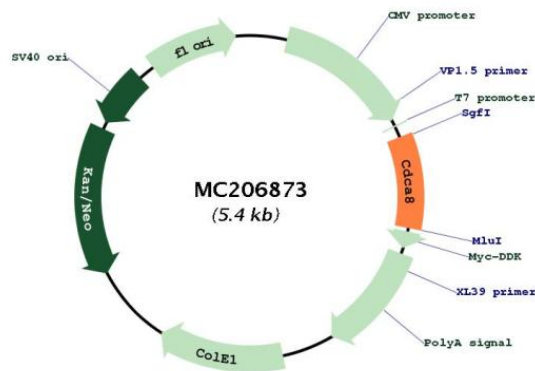
Product Type:	Expression Plasmids
Product Name:	Cdca8 (BC068181) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cdca8
Synonyms:	MESRGP, BOR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC206873 representing BC068181. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCTCCAAGAAACGCAGCAGCCGCGGAACCAGGACCAACACGCTGCGGAGCCGGAAGCTCGCCTCC
TTCCTGAAGGACTTCGACCGCGAGGTGCAAGTTCGAACCAAGCAAATTGAGTCCGACAGACAGACCCCTC
CTCAAGGAGGTGGAAAATCTGTACAACATCGAGATCCTTCGGCTCCCAAGGCGCTGCAAGGGATGAAG
TGGCTTGACTACTTCGCCCTAGGAGGAAACAAGCAGGCCCTGGAAGAGGCAGCAAAGCTGATCGAGAC
ATCACAGAAATAACAATTTAACAGCTGAAGCTATTGAGACACCTTTGAAATCTGTAAAAAGCGAAAG
GTAATCGAGGTGGAGGAATCGATAAAGGAAGAAGAACAACAAAAAGAGCCATAAGAATCTTCGATCTG
CAAAAGTCAAAAGATGCCTTCCATCCAAGAAGAGAACCCAGTCCATACAAGGAAGAGGCAGAAGTAAAA
GGTTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites: Sgfl-Mlul



[View online »](#)

Plasmid Map:


ACCN: BC068181

Insert Size: 489 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: [BC068181](#)

RefSeq Size: 1572 bp

RefSeq ORF: 488 bp

Locus ID: 52276

Cytogenetics: 4 57.93 cM

MW: 18.9 kDa

Gene Summary: Component of the chromosomal passenger complex (CPC), a complex that acts as a key regulator of mitosis. The CPC complex has essential functions at the centromere in ensuring correct chromosome alignment and segregation and is required for chromatin-induced microtubule stabilization and spindle assembly. In the complex, it may be required to direct the CPC to centromeric DNA. Major effector of the TTK kinase in the control of attachment-error-correction and chromosome alignment (By similarity).[UniProtKB/Swiss-Prot Function]