

Product datasheet for **RN208073**

Cdca8 (NM_001025050) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cdca8 (NM_001025050) Rat Untagged Clone
Tag: Tag Free
Symbol: Cdca8
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN208073 representing NM_001025050
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTCCTAAGAAACGCAGCAGCCGGGACCAGGACCAACACACTGCGGAGCCGGAAGCTCGCCTCCT
TCCTAAAGGACTTCGACCGCGAGGTGCAAGTTCGAACCAAGCAAATTGAGTCCGACAGGCAGACCCCTCCT
CAAGGAGGTGAAAATCTCTACAACATCGAGGTCCTTCGGCTCCCAAGGCGCTGCAAGTCATGAAGTGG
CTTGACTACTTTGCCCTAGGAGGAACAGACAGGCCCTGGAAAGAGGCAGCAACAGCTGATCGAGACATCA
CAGAGATAAAACAATTTAACAGCTGAAGCTATTCAGACACCTTTAAAATCTGTTAAAAAGCGAAAGGTAAT
CGAGGTGGATGAAGCCATAAAGGAAGAGGAAGAAGATGAAGAAGAAGAAGGAGGAGGAGGAGGAAGA
AAGAGCCATAAGAATCTTCGATCTGCGAGAGTCAAAGATGCCCTCCATCCAAGAAGAGAACCCAGTCTA
TACAAGGAAGAAGCAGAAGCAAAGGTTAAGCCATGACTTTGTGACCCAGCTATGAGCAGGCTGGAGCC
ATCTCTGGTGAACCAACCCAGGCATGACACCTAGGTTTGATTCCAGGGTCTTCAAACCTCCAGGTCTA
CGAACCCAGCGCCAAGGAGCAGGTTTACAACATCTCTATCAACGGCAGCCCTCTGCAGACAGCAAAG
AGATCTCCCTCAGTGTGCCATAGGTGGCGGTGCGAGCTTGGCGCTATTGGCCAGTGACTGCAGAGGGT
CGATATTGCTCAGCTGAATCCAGAGGCCCTGGAAACATTAAGAACTCTCGAGTCGCCTTGCTCAGATC
TGCAGCAGCATCCGGACAGGCCATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI
ACCN: NM_001025050
Insert Size: 867 bp



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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:	<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:	<u>NM_001025050.1</u> , <u>NP_001020221.1</u>
RefSeq Size:	1547 bp
RefSeq ORF:	867 bp
Locus ID:	500545
UniProt ID:	<u>Q6AXW0</u>
Cytogenetics:	5q36
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 (By similarity).[UniProtKB/Swiss-Prot Function]