

Product datasheet for **SC332493**

CDCA8 (NM_001256875) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: CDCA8 (NM_001256875) Human Untagged Clone
Tag: Tag Free
Symbol: CDCA8
Synonyms: BOR; BOREALIN; DasraB; MESRGP
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC332493 representing NM_001256875.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
ATGGCTCCTAGGAAGGGCAGTAGTCGGGTGGCCAAGACCAACTCCTTACGGAGGGGAAGCTCGCCTCC
TTTCTGAAAGACTTCGACCGTGAAGTGGAAATACGAATCAAGCAAATTGAGTCAGACAGGCAGAACCTC
CTCAAGGAGGTGGATAACCTCTACAACATCGAGATCCTGCGGCTCCCAAGGCTCTGCGCGAGATGAAC
TGGCTTGACTACTTCGCCCTTGGAGGAAACAAACAGGCCCTGGAGAGGGCGGCAACAGCTGACCTGGAT
ATCACCGAAATAAACAACTAACAGCAGAAGCTATTAGACACCCCTGAAATCTGCCAAAACACGAAAG
GTAATACAGGTAGATGAAATGATAGTGAAGAGGAAGAAGAAGAAAATGAACGTAAGAATCTTCAA
ACTGCAAGAGTCAAAGGTGTCCTCCATCCAAGAAGAGAAGTCAAGTCCATACAAGGAAAAGGAAAAGGG
AAAAGGTCAAGCCGTGCTAACACTGTTACCCAGCCGTGGGCCGATTGGAGGTGTCCATGGTCAAACCA
ACTCCAGGCCTGACACCCAGGTTTGACTCAAGGGTCTTCAAGACCCCTGGCCTGCGTACTCCAGCAGCA
GGAGAGCGGATTTACAACATCTCAGGGAATGGCAGCCCTCTTGCTGACAGCAAAGAGATCTTCTCACT
GTGCCAGTGGGCGGCGGAGAGAGCCTGCGATTATTGGCCAGTGACTTGCAGAGGCACAGTATTGCCAG
CTGGATCCAGAGGCCTTGGGAAACATTAAGAAGCTCTCCAACCGTCTCGCCCAAATCTGCAGCAGCATA
CGGACCCACAAATGA
```

Restriction Sites: SgfI-MluI
ACCN: NM_001256875
Insert Size: 843 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:	<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_001256875.1</u>
RefSeq Size:	2502 bp
RefSeq ORF:	843 bp
Locus ID:	55143
UniProt ID:	<u>Q53HL2</u>
Cytogenetics:	1p34.3
Protein Families:	Druggable Genome
MW:	31.3 kDa
Gene Summary:	<p>This gene encodes a component of the chromosomal passenger complex. This complex is an essential regulator of mitosis and cell division. This protein is cell-cycle regulated and is required for chromatin-induced microtubule stabilization and spindle formation. Alternate splicing results in multiple transcript variants. Pseudogenes of this gene are found on chromosomes 7, 8 and 16. [provided by RefSeq, Apr 2013]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the functional protein. Both variants 1 and 2 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>