

Product datasheet for **SC113781**

CDCA8 (NM_018101) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CDCA8 (NM_018101) Human Untagged Clone
Tag:	Tag Free
Symbol:	CDCA8
Synonyms:	BOR; BOREALIN; DasraB; MESRGP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_018101 edited
GAATTCGGCAGGAGCGCTCTCTCTCACTGGTACAGCGAGGTTTTGCTCAGCCCTGTCT
CGGGACCCGAGCCTCCGCCGAGCGCCATGGCTCCTAGGAAGGGCAGTAGTCGGGTGGCCA
AGACCAACTCCTTACGGAGGCGGAAGCTCGCCTCCTTTCTGAAAGACTTCGACCGTGAAG
TGGAAATACGAATCAAGCAAATTGAGTCAGACAGGCAGAACCTCCTCAAGGAGGTGGATA
ACCTCTACAACATCGAGATCTCGCGCTCCCAAGGCTCTGCGGAGATGAACTGGCTTG
ACTACTTCGCCCTTGAGAGAAACAAACAGGCCCTGGAAGAGGGCGCAACAGCTGACCTGG
ATATCACCGAAATAAACAACTAACAGCAGAAGTTATTCAGACACCCCTGAAATCTGCCA
AAACACGAAAGGTAATACAGGTAGATGAAATGATAGTGAAGAGGAAGAAGAAGAAAGAAA
ATGAACGTAAGAACTTCAAAGTCAAGAGTCAAAGGTGCTCCTCCATCCAAGAAGAGAA
CTCAGTCCATACAAGGAAAAGGAAAAGGAAAAGGTCAAGCCGTGCTAACACTGTTACCC
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CCCAGCTGGATCCAGAGGCCCTTGGGAAACATTAAGAAGCTCTCCAACCGTCTCGCCAAA
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CAGCAGAGCAGGACAGTTGGCAGCAGTGACCTCAGTAGGGAACATGTCCGTCTACCCCTC
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CAACTTCCATGTCTTGTCTTCTACCTCCCTAGTTAGTGGAAATTTGGATAAGGGAACTG
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GTTTCATGGGAACAGGGGCGGGTGTGACTTGCTTGGTGGCCTCATTCCATGTGTGCCTGTG
CCTGGGGCATGGACTTTGTTAAGCAGAGTCAGCAGTGAGGTCTCATTCTCCAGCCAGCC
TCTCTGCCCTGGAGAATCATGTGCTATGTTCTAAGAATTTGAGAACTAGAGTCTCATCC
CCAGGCTTGAAGGCACATGGCTTCTCATGTAGGGCTCTCTGTGGTATTTGTTATATTT
TGCAACAAGACCATTTTAGTAAAACAGTCTGTCAAGTTGTATTCTTTTAAAGTCTTTT
ATTCTCTTTCCCTGAGATTTTGTATATATTGTTCTGAGTAATGGTATCTTTGAGCTGA
TTGTTCTAATCAGAGCTGGTACCTACTTTCAATAAATTCTGGTTTTGTGTTTTCTTTTGT
AAAAAAAAAAAAAAAAAACTCGAC
    
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_018101 unedited TGTCTACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCGCTCTCTCACTGG TACAGCGAGGTTTTGCTCAGCCCTTGCTCTGGGACCGCAGCCTCCGCCGAGCGCCATGGC TCCTAGGAAGGGCAGTAGTCGGGTGGCCAAGACCAACTCCTTACGGAGGCGGAAGCTCGC CTCCTTTCTGAAAGACTTCGACCGTGAAGTGAAATACGAATCAAGCAAATTGAGTCAGA CAGGCAGAACCTCCTCAAGGAGGTGGATAACCTCTACAACATCGAGATCCTGCGGCTCCC CAAGGCTCTGCGCGAGATGAACTGGCTTACTACTTCGCCCTTGGAGGAAACAAACAGGC CCTGGAAGAGGCGCAACAGCTGACCTGGATATCACCGAAATAAACAACTAACAGCAGA AGTTATTCAGACACCCCTGAAATCTGCCAAAACACGAAAGGTAATACAGGTAGATGAAAT GATAGTGAAGAGGAAGAAGAAGAAGAAAATGAACGTAAGAATCTTCAAAGTCAAGAGT CAAAAGGTGCTCTCCATCCAAGAAGAGAACTCAGTCCATAACAAGAAAAGGAAAAGGAA AAGGTCAAGCCGTGCTAACACTGTTACCCAGCCGTGGGCCGATTGGAGGTGCCATGGT CAAACCAACTCCCAGCCTGACACCCAGGTTTACTCAAGGGTCTTCAAGACCCCTGGCCT GCGTACTCCAGCAGCAGGAGAGCGGATTACAACATCCTCAGGGATGGCAGCCCTTTGCT GACAGCAAAGAGATCTTNTCACTGTGCCAGTGNCGCGCCGAAAGAGCCTGCGATTATT GGCCAGTGACTNGCAGAAGCACAGTATTGCCAGCCTGGATCCCAGAGCCCTTGGNAAAC ATTAANAAGCTCTNNCAACCGTTCTGCCATATNTGGAAG</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_018101 unedited CCGCGCCGCAATTTAGNATCGAGTTTTTTTTTTTTTTTTTTTACAAAAGAAACACAAAAC CAGAATTTATTGAAAGTAGGTACCAGCTCTGATTAGAACAATCAGCTCAAAGATACCATT ACTCAGAACAAATATATACAAAATCTCAGGGAAAGGAGAATAAAAGAACTTAAAAGAATA CAACTTGAACAGGACTGTTTTACTAAAAATGGTCTTGTTGCAAAATAATAACAAATACCAC AGAGAGCCCTACATGAGAAAGCCATGTGCCTTCAAGCCTGGGGATGAGGACTCTAGTTCT CAAATCTTAGAACATAGCACATGATTCTCCAGGGCAGAGAGGCTGGCTGGAGAATGAGG ACCTCACTGTGACTCTGCTTAAACAAAGTCCATGCCCCAGGCACAGGCACACATGGAATG AGGCCACCAAGCAAGTCAACCCGCCCTGTTCCCATGAACCCCAATAAGAGAGAAGTGCT CTCTGAAGTCTACAGACTTGGCAGGGACCACCTGGACCATGGATAGCTTAGAGACAGTTA TTCTGTGGCCAATGACATAAAACCTTCAGAATCTGGGCCCTACAGTTCCCTTATCCAAAT TTCCACTAACTAGGGAGGCAGAAGAGCCAAGACATGGAAGTTGCCTCCAACCCAGTATT TTGGTCTTCAGTAAACAGGGATAAACATAAAACACCTGCTCCACAAGCAGACTTCAGAAC TACTGGGCACAACAGGTGAAAGATCCCTAAGCNCCACTGACCACCTTCCATCAGAGGAGG AGGAGGAGGAACAGGAGCTGTGGCGTAAGAGTTCTCAACCCCTCGCTTTCTCCCTCC TCCATGCCTTATCCGTCTCCTCTCCCCCCTCTTCCCCCACCTGTCACCCCATATTA CTAACCATACCCAAACCATTACATTACACATACTCCCAT</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_018101
Insert Size:	2310 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: [NM_018101.2](#), [NP_060571.1](#)

RefSeq Size: 2319 bp

RefSeq ORF: 843 bp

Locus ID: 55143

UniProt ID: [Q53HL2](#)

Cytogenetics: 1p34.3

Protein Families: Druggable Genome

Gene Summary: 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]

Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. 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.