

Product datasheet for **SC112734**

CDCA5 (NM_080668) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CDCA5 (NM_080668) Human Untagged Clone
Tag:	Tag Free
Symbol:	CDCA5
Synonyms:	SORORIN
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC112734 sequence for NM_080668 edited (data generated by NextGen Sequencing)

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ATGTCTGGGAGGCGAACGCGGTCCGGAGGAGCCGCTCAGCGCTCCGGGCCAAGGGCCCCA
TCTCCTACTAAGCCTCTGCGGAGGTCCCAGCGAAATCAGGCTCTGAACTCCCGAGCATC
CTCCCTGAAATCTGGCCGAAGACACCCAGTGCGGCTGCAGTCAGAAAGCCCATCGTCTTA
AAGAGGATCGTGGCCCATGCTGTAGAGGTCCCAGCTGTCCAATCACCTCGCAGGAGCCCT
AGGATTTCTTTTTCTTGGAGAAAGAAAACGAGCCCCCTGGCAGGGAGCTTACTAAGGAG
GACTTTTCAAGACACACAGCGTCCCTGCCACCCACCAGCACTCCTGTGCCGAACCTT
GAGGCCGAGTCCAGTCCAAGGAAGGAGAGCTGGACGCCAGAGACTTGAAATGTCTAAG
AAAGTCAGGCGTTCCTACAGCCGGCTGGAGACCCTGGGCTCTGCCTCTACCTCCACCCCA
GGCCGCCGGTCTGCTTTGGCTTCGAGGGGCTGCTGGGGCAGAAGACTTGTCCGGAGTC
TCGCCAGTGGTGTGCTCCAACTCACCGAGGTCCCAGGGTTTGTCAAAGCCCTGGGCC
CCAGACATGACTCTCCCTGGAATCTCCCCACCACCCGAGAAACAGAAACGTAAGAAGAAG
AAAATGCCAGAGATCTTGAACCGGAGCTGGATGAGTGGGCTGCGGCCATGAATGCCGAG
TTTGAAGCTGCTGAGCAGTTTGATCTCCTGGTTGAATGA
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Clone variation with respect to NM_080668.3



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_080668 unedited</p> <pre> AGCATTTTGTAAATACGACTCACTTATAGGGCGGCCGGAATTCGCACGAGGGGTTGGCGC GCGCCCGGGGCGGCGGCTGGAGGAGCTCGAGACGGAGCCTAGTTATGTCTGGGAGGCG AACGCGGTCCGGAGGAGCCGCTCAGCGCTCCGGGCCAAGGGCCCCATCTCCTACTAAGCC TCTGCGGAGGTCCCAGCGGAAATCAGGCTCTGAACTCCCGAGCATCCTCCCTGAAATCTG GCCGAAGACACCCAGTGCGGCTGCAGTCAGAAAGCCCATCGTCTTAAAGAGGATCGTGCC CCATGCTGTAGAGGTCCCAGCTGTCCAATCACCTCGCAGGAGCCCTAGGATTTCCCTTTTT CTTGAGAAAGAAAACGAGCCCCCTGGCAGGGAGCTTACTAAGGAGGACCTTTTCAAGAC ACACAGCGTCCCTGCCACCCCCACCAGCACTCCTGTGCCGAACCTGAGGCCGAGTCCAG CTCCAAGGAAGGAGAGCTGGACGCCAGAGACTTGAAATGTCTAAGAAAGTCAGGCGTTC CTACAGCCGGCTGGAGACCCTGGGCTCTGCCTCTACCTCCACCCAGGCCGNCGGTCTG CTTTGGCTTCGAGGGGCTGCTGGGGCAGAAAGACTTGCCGGAGTCTGCCAGTGGTGTG CTCCAACTCACCAGGTCCCAGGTTTGTCAAAGCCCTGGGCCCCAGACATGACTCNT CCTGGAATCTCCCACCACCCGAGAAACAGAAACGTAAGAAGAAGAAAATGCCANAGATC TTGTACACGGAGCTGGATGAGTGGGCTGCGGCCATGAATGCCAGTTTGAAGCTGCTGAG CAGTTTGAACCCCGCTTGAATGACAGCAGGGGGGGTGCACCTGGCAGACNTCCCTCTGT CCTGTCATACCCCTCCCTGGAGGGGACACTTAGGTTCCCCACCTGGGCTGGACCGGGGG G </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_080668 unedited</p> <pre> NNNTTACTNTGNACCGCGCCGATTCTAGGATCGAGTTTTTTTTTTTTTTTTTTTTTGAAC AGGCAGAAACTCTTAAATCAGGCTTTTTTCCAACCTAAAACAAAATCCCATTTTTTCC TTAAATTTAGTTCCTCAGGAACAGAGAACTTTGCAATGATGATCTCAACTCTGCATCATC TGGTGACTCCTGATTCTGCAGGACTAAGACATTTCCCAAGAGTTCTGCTGCATCAGCCAG TGAGGACAAGAGTTCTTCAAGTCCGTTCAAGTCAAGGACACCTAGGCTTCCCCAGCAGGG GGCTTGCTTGAGGTCTGACAAACCACAGAGCGTTGACCATATGGCCTGGGACTCCCAGA CCTGGCACAGGGTTTTATTAGGGCCCGCTGGCCTGCACCGTTTCATCCAAGCACCCCTGA CCCAGCACTCATCTTCCCTGGCATTCTCTGTTATCCACAGCTCCTCTGTACACCTTACC GTCTACTTCCACGAACTCTAAACATCAAAGGTACCATGGCCAGGGGTGCGGCAGGAGA GTCGGCGGCAGGGCAATCTTCCAATCCACACCATCGAATCCACACGATGGAAAGAAGAGA ACGCAGGGGCAAACCCCAAGACCCTGAGACGCATTACCGCACCCGTCCTCACGCTGA GAGGATAGGGAGGCCACAACCTAAAATGGCCATACCCCTCCGCGCTGTCCCGTCCCGC GCAGGACCCCCCCCCGAACCCCAACCCAACTTGCAAATGGTATTACGTCCCGGA CCCCTTACATTCTTCCAGGGCCCAAGATCACCCGGCCGAAATCCATTCTTGCCA TAAATGCGTCCCGGGCCCCACCCAGGGCCCCCTCCCCCCCCGCACCCCAATTTGGC CCCACCCCCACCGTGGGCCCTCGTGAAG </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_080668
Insert Size:	759 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:	NM_080668.2 , NP_542399.1
RefSeq Size:	2507 bp
RefSeq ORF:	759 bp
Locus ID:	113130
UniProt ID:	Q96FF9
Cytogenetics:	11q13.1
Protein Families:	Druggable Genome
Gene Summary:	Regulator of sister chromatid cohesion in mitosis stabilizing cohesin complex association with chromatin. May antagonize the action of WAPL which stimulates cohesin dissociation from chromatin. Cohesion ensures that chromosome partitioning is accurate in both meiotic and mitotic cells and plays an important role in DNA repair. Required for efficient DNA double-stranded break repair.[UniProtKB/Swiss-Prot Function]