

Product datasheet for **SC334769**

CDCA3 (NM_001297602) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CDCA3 (NM_001297602) Human Untagged Clone
Tag:	Tag Free
Symbol:	CDCA3
Synonyms:	GRCC8; TOME-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001297602, the custom clone sequence may differ by one or more nucleotides

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ATGGGCTCAGCCAAGAGCGTCCCAGTCACACCAGCGCGGCTCCGCCGCACAACAAGCATCTGGCTCGAG
TGGCGGACCCCGTTACCTAGTGTGGCATCCTGCGCACTCCCATCCAGGTGGAGAGCTCTCCACAGCC
AGGCCTACCAGCAGGGGAGCAACTGGAGGGTCTTAAACATGCCCAGGACTCAGATCCCCGCTCTCTACT
CTTGGTATTGCACGGACACCTATGAAGACCAGCAGTGGAGAGCCTGTTCTGCCCCAGAGGCACCTTTAT
CTTCTGAATTGGACTTGCCTCTGGGTACCCAGTTATCTGTTGAGGAACAGATGCCACCTTGAACCAGAC
TGAGTTCCCTCAAACAGGTGTTTTCAAGGAGGAAGCAAGACAGCCCACAGAAACCCCTGTGGCCAGC
CAGAGCTCCGACAAGCCCTCAAGGGACCCTGAGACTCCCAGATCTTCAGGTTCTATGCGCAATAGATGGA
AACCAAACAGCAGCAAGGTACTAGGGAGATCCCCCTCACCATCCTGCAGGATGACAACCTCCCTGGCAC
CCTGACACTACGACAGGGTAAGCGGCCTTCACCCCTAAGTAAAAATGTTAGTGAACCTAAAGGAAGGAGCC
ATTCTTGGAACTGGACGACTTCTGAAAACCTGGAGGACGAGCATGGGAGCAAGGCCAGGACCATGACAAGG
AAAATCAGCACTTTCCTTGGTGGAGAGCTAG
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_001297602
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).



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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_001297602.1, NP_001284531.1</u>
RefSeq Size:	1869 bp
RefSeq ORF:	732 bp
Locus ID:	83461
Cytogenetics:	12p13.31
Gene Summary:	<p>F-box-like protein which is required for entry into mitosis. Acts by participating in E3 ligase complexes that mediate the ubiquitination and degradation of WEE1 kinase at G2/M phase (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site compared to variant 1. The encoded isoform (2) is shorter than isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>