

## Product datasheet for **SC334556**

### CDCA3 (NM\_001297603) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CDCA3 (NM_001297603) 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_001297603, the custom clone sequence may differ by one or more nucleotides

```
ATGGGCTCAGCCAAGAGCGTCCCAGTCACACCAGCGCGGCTCCGCCGACAACAAGCATCTGGCTCGAG
TGGCGGACCCCGTTACCTAGTGTGGCATCCTGCGCACTCCCATCCAGGTGGAGAGCTCTCCACAGCC
AGGCTACCAGCAGGGGAGCAACTGGAGGGTCTTAAACATGCCCAGGACTCAGATCCCCGCTCTCTACT
CTTGGTATTGCACGGACACCTATGAAGACCAGCAGTGGAGACCCCAAGCCACTGGTGAACAGCTGA
GTGAAGTATTTGAACTGAAGACTCTAAATCAAATCTTCCCCAGAGCCTGTTCTGCCCCAGAGGCACC
TTTATCTTCTGAATTGGACTTGCCTCTGGGTACCCAGTTATCTGTTGAGGAACAGATGCCACCTTGAAC
CAGACTGAGTTCCCCTCCAACAGGTGTTTTCCAAGGAGGAAGCAAGACAGCCCACAGAAACCCCTGTGG
CCAGCCAGAGCTCCGACAAGCCCTCAAGGGACCCCTGAGACTCCCAGATCTTCAGCCTCCTCAGTTCCAGA
TTTTGAGGAAGCTGTCCAGGAACCTGTGGCCACAGCCATCCCGTCAGCTGTGACTCCCAGGCAGCTCAC
CCTGTTATCGTGGCCAGAGAGGATGCCTGA
```

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001297603
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\\_001297603.1](#), [NP\\_001284532.1](#)

**RefSeq Size:** 1625 bp

**RefSeq ORF:** 660 bp

**Locus ID:** 83461

**UniProt ID:** [Q99618](#)

**Cytogenetics:** 12p13.31

**Gene Summary:** 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]  
Transcript Variant: This variant (3) differs in the 3' structure, resulting in a novel 3' coding region and 3' UTR compared to variant 1. The encoded isoform (3) has a distinct C-terminus, and is shorter, compared to isoform 1. 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.