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Product datasheet for SC122998

CDCA3 (NM_031299) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CDCA3 (NM_031299) Human Untagged Clone
Tag:	Tag Free
Symbol:	CDCA3
Synonyms:	GRCC8; TOME-1
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_031299 edited CCACGAGCTGTTGTGCATCCAGAGGTGGAATTGGGGCCCGGCATTCCCTCCTCGTCCCGG GCTGGCCCTTGCCCCCACCCTGCAACTCCTGGTTGAGATGGGCTCAGCCAAGAGCGTCCC AGTCACACCAGCGCGGCCTCCGCCGCACAACAAGCATCTGGCTCGAGTGGCGGACCCCCG TTCACCTAGTGCTGGCATCCTGCGCACTCCCATCCAGGTGGAGAGCTCTCCACAGCCAGG CCTACCAGCAGGGGAGCAACTGGAGGGTCTTAAACATGCCCAGGACTCAGATCCCCGCTC TCCTACTCTTGGTATTGCACGGACACCTATGAAGACCAGCAGTGGAGACCCCCCAAGCCC ACTGGTGAAACAGCTGAGTGAAGTATTTGAAACTGAAGACTCTAAATCAAATCTTCCCCC AGAGCCTGTTCTGCCCCCAGAGGCACCTTTATCTTCTGAATTGGACTTGCCTCTGGGTAC CCAGTTATCTGTTGAGGAACAGATGCCACCTTGGAACCAGACTGAGTTCCCCTCCAAACA GGTGTTTTCCAAGGAGGAAGCAAGACAGCCCACAGAAACCCCTGTGGCCAGCCAGAGCTC CGACAAGCCCTCAAGGGACCCTGAGACTCCCAGATCTTCAGGTTCTATGCGCAATAGATG GAAACCAAACAGCAGCAAGGTACTAGGGAGATCCCCCCTCACCATCCTGCAGGATGACAA CTCCCCTGGCACCCTGACACTACGACAGGGTAAGCGGCCTTCACCCCTAAGTGAAAATGT TAGTGAACTAAAGGAAGGAGCCATTCTTGGAACTGGACGACTTCTGAAAACTGGAGGACG AGCATGGGAGCAAGGCCAGGACCATGACAAGGAAAATCAGCACTTTCCCTTGGTGGAGAG CTAGGCCCTGCATGGCCCCAGCAATGCAGTCACCCAGGGCCTGGTGATATCTGTGTCCTC TCACCCCTTCTTTCCCAGGGATACTGAGGAATGGCTTGTTTTCTTAGACTCCTCCTCAGC TACCAAACTGGGACTCACAGCTTTATTGGGCTTTCTTTGTGTCTTGTGTGTTTCTTTTAT ATTAAAGGAAGTAATTTTAAATGTTACTTTAAAAAGGTAAAAAAAAAAAAAAAAAAAAA

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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_031299 unedited
NAAGTACAAATTTTGTNATACGACTTCACTATAGGGCCGGCCGCGATTCGGCACGAGGCC
ACGAGCTGTTGTGCATCCAGAGGTGGAATTGGGGCCCGGCATTCCCTCCTCGTCCCGGGC
TGGCCCTTGCCCCCACCCTGCAACTCCTGGTTGAGATGGGCTCAGCCAAGAGCGTCCCAG
TCACACCAGCGCGGCCTCCGCCGCACAACAAGCATCTGGCTCGAGTGGCGGACCCCCGTT
CACCTAGTGCTGGCATCCTGCGCACTCCCATCCAGGTGGAGAGCTCTCCACAGCCAGGCC
TACCAGCAGGGGAGCAACTGGAGGGTCTTAAACATGCCCAGGACTCAGATCCCCGCTCTC
CTACTCTTGGTATTGCACGGACACCTATGAAGACCAGCAGTGGAGACCCCCCAAGCCCAC
TGGTGAAACAGCTGAGTGAAGTATTTGAAACTGAAGACTCTAAATCAAATCTTCCCCCAG
AGCCTGTTCTGCCCCCAGAGGCACCTTTATCTTCTGAATTGGACTTGCCTCTGGGTACCC
AGTTATCTGTTGAGGAACAGATGCCACCTTGGAACCAGACTGAGTTCCCCTCCAAACAGG
TGTTTTCCAAGGAGGAAGCAAGACAGCCCACAGAAACCCCTGTGGCCAGCCAGAGCTCCG
ACAAGCCCTCAAGGGACCCTGAGACTCCCAGATCTTCAGGTTCTATGCGCAATAGATGGA
AACCAAACAGCAGCAAGGTACTAGGGAGATCCCCCCTCACCATCCTGCAGGATGACAACT
CCCCTGGCACCCTGACACTACGACAGGGTAAGCGGCCTTCACCCCTAGTGAAATGTTAGT
GAACTAAAGAAGGAGCCATTNCTGGAACTGGACGACTTCTGAAACTGGNAGACGAGCATG
GGAGCAAGCCAGAA

Restriction Sites: Please inquire

ACCN: NM_031299

Insert Size: 1148 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_031299.3, NP_112589.1

RefSeq Size: 1139 bp

RefSeq ORF: 807 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 (1) represents the longest transcript and encodes the longest 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.