

Product datasheet for **MG203531**

Cdca3 (NM_013538) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cdca3 (NM_013538) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cdca3
Synonyms:	2410005A12Rik; C8; Grcc8; Tome-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203531 representing NM_013538 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGGGTTCGACTCAGAGCGTCTCAGGCACTCCAGCACGGCCTCTGCCACGCAACAAGCAAGTGGCTCGAG
 TAGCAGACCCCTCGTTACCTAGTGCTGGCATCCAGCGCACTCCTATTCAGGTAGAGAGCTCTCCACAGCC
 AAGCCTACCAGCAGAACAGCTGAACGGTCTCAACAGGCACAAGACCCAGATCCCCGCTCTCCTACTCTT
 GGCATTGCACGGACCCCATGAAGATCAGTGGTCCAGACCCTCAGTGCTCACTGGTGAAAGAGCTGAGCG
 AAGTATTGGAGACGGAAGCGTCGGAATCGATTTCTCCCGAGAGCTTGCTCTGCCCGGGAAACGCCTTT
 ATTTTCTGACCTGGACCTGTCTTCAGGTCTCAGTTATCCCTGAGGACCACTTACTGCCTTGGAGCCAG
 GCTGAACTCGATCCCAAACAGGTGTTTACCAAGGAGGAAGCCAAACAATCCGCAGAACTATAGTGCCA
 GCCAGAACTCAGACAAGCCCTCCAGAGACCCAGAGACTCCCGAGTCTCAGGTTCTAAGCGCAGCAGACG
 AAAAGCAAACAGCAAGGTTCTAGGGAGGTCCCCTCTCACCATCCTGCAGGATGACAACTCCCCTGGGACC
 TTGACACTACGACAGGTAAGCGGCTTCTGCCCTCAGTGAGAACGTTAAGGACCTAAAGGAAGGAGTCG
 TTCTTGGAAGTGAAGATTTCTCAAAGCTGGAGGAGGAGCACGGGAGCCAAACCAGGACCACGACAAGGA
 AAATCAGCATTTTGCCTTGTTGGAGAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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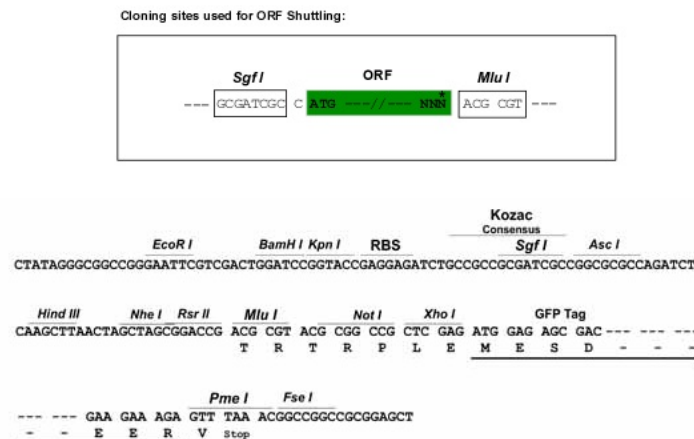
Protein Sequence: >MG203531 representing NM_013538
Red=Cloning site Green=Tags(s)

MGSTQSVSGTPARPLPRNKQVARVADPRSPSAGIQRTPIQVESSPQPSLPAEQLNGLKQAQDPDPRSPTL
GIARTPMKISGPDQPQCSLVKELSEVLETEASESISSEPELALPRETPLFSDLDLSSGPQLSPEDQLLPWSQ
AELDPKQVFTKEEAKQSAETIAASQNSDKPSRDPETPQSSGSKRSRRKANSKVLGRSPLTILQDDNSPGT
LTLRQGKRPSALSENVKDLKEGVVLGTGRFLKAGGGAREPNQDHDKENQHFFALLES

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_013538

ORF Size: 798 bp

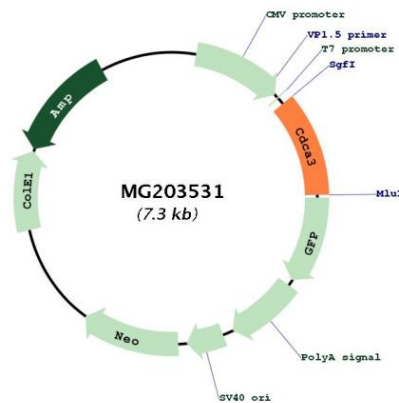
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_013538.3, NP_038566.1</u>
RefSeq Size:	1426 bp
RefSeq ORF:	801 bp
Locus ID:	14793
UniProt ID:	<u>Q99M54</u>
Cytogenetics:	6 59.17 cM
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]

Product images:



Circular map for MG203531