

Product datasheet for **MC218308**

Cdc23 (BC059013) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cdc23 (BC059013) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cdc23
Synonyms:	6030435O18; D18Ertd243e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC218308 representing BC059013
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTATCCAGATACCTGTCTGGAGAGAAGAAGGATGACGAAACAGTTGATAGCCTAGGACCCCTAG
AGAAGGGACAAGTCAAAAACGAGGCTCTCAGAGAACTGAGAGTGGAACTCAGCCGGAAGCACCAGGCTCG
GGGACTTGATGGATTTCGGCCTTTACCTGTATGGGGTGGTCTTCGAAACTGGACTTAGTAAAAGAGGCC
ATTGATGTGTTTGTGGAGGCTACTCATGTTTTGCCTTTGCACTGGGAGCCTGGTTAGAGCTGTGTAACC
TGATCACAGACAAAGAGATGCTGAAGTTCCTGTCTTTGCCTGACACCTGGATGAAAGAGTTCTTCTTGGC
TCACATATACACAGAAGTGCAGCTGATAGAGGAGGCCCTGCAGAAGTATCAGCATCTCATTGATGTGGGC
TTTTCCAAGAGCTCGTACATTGTTCCCAAATTGCAGTTGCCTATCACAATATCAGAGATATCGACAAA
CCCTTTCTATTTCAATGAGCTGAGGAAACAAGATCCTTACAGGATTGAAAATATGGACACATTCTCCAA
CCTTCTCTATGTCAGGAGCATGAAGTCTGAATTGAGTTACCTGGCGCATAACCTCTGTGAAATTGATAAA
TACCGAGTAGAAACATGCTGTGTAATTGGCAATTATTACAGCTTACGCTCCAGCATGAGAAAGCAGCTT
TGATTTCCAGAGAGCCCTAAAGTTGAATCCTAGGTACCTGGGGCCTGGACACTGATGGGGCACCAGTA
CATGGAGATGAAGAACACGTCTGCAGCTATTACAGGCTTACCGACATGCCATTGAGGTCAACAAGAGAGAC
TACAGAGCTTGGTATGGCCTTGGGCAGACTTACGAAATCCTTAAAATGCCATTTTATTGCCTTTATTATT
ATAGACGGGCCACCAGCTTCGTCCTCAATGATTCTCGCATGCTGGTTGCCTTAGGAGAATGTTATGAGAA
ACTCAATCAACTAGTGAAGCCAAAAAGTGTATTGGAGAGCATATGCCGTGGGAGACGTGGAGAAAATG
GCTCTTGTGAAGCTGGCCAAGCTTCATGAACAGTTGACTGAGTCAGAGCAGGCTGCCAGTGTACATCA
AATACATCCAAGATATCTATTCCTGTGGGAGACCGTGGAGCATTGGAGGAGACAGCCCTCCGATA
CCTGGCCCAAGTACTATTTAAGTGCAAGCTGTGGGATGAAGCTTCAACTTGTGCCAAAAATGTTGTGCA
TTCAATGATACCCGGAAGAAGGTAAGGCCTTGCTCCGCCAGATCCTACAGCTGAGGAACCAAGGGGAGA
CACCCACCTCTGACACGCCGGTACCTTTTCTCCCTGCCTCACTGTCTGCAAACAACACTCTACACG
CAGAGTTTCTCCACTCAACCTGTCTTCAGTCACACCA TAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja3043_f12.zip

Restriction Sites: SgfI-MluI

ACCN: BC059013

Insert Size: 1440 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: [BC059013](#), [AAH59013](#)

RefSeq Size: 3015 bp

RefSeq ORF: 1439 bp

Locus ID: 52563

Cytogenetics: 18 18.69 cM

Gene Summary: Component of the anaphase promoting complex/cyclosome (APC/C), a cell cycle-regulated E3 ubiquitin ligase that controls progression through mitosis and the G1 phase of the cell cycle. The APC/C complex acts by mediating ubiquitination and subsequent degradation of target proteins: it mainly mediates the formation of 'Lys-11'-linked polyubiquitin chains and, to a lower extent, the formation of 'Lys-48'- and 'Lys-63'-linked polyubiquitin chains (By similarity). [UniProtKB/Swiss-Prot Function]