

Product datasheet for **MC219524**

Cdc23 (NM_178347) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cdc23 (NM_178347) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cdc23
Synonyms:	6030435O18; D18Ertd243e
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC219524 representing NM_178347
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTGCGAATTCCTCGGTAGTCTCGGTGGCAGCGGCCGCCACGGCGGTGCCGGGCGTATCCACTGTCCG
 CGGATTTTTCAGACTTGCAGGAAATTAAGCAGCTGCTGCTCATCGCGGCCTCACTCGGAGCGGGG
 CCTGCTGCATAGCAGCAATGGTCTGCGGAGTTGGCCTTCTCTCTGCCCGCCTTGCCCTTTGTGCGGAGCTG
 CAGCCGCCCGCCTCTGACAGAGGAGGACGCGCAGGATGTGGATGCTTACACCTTGCCAAAGCCTACT
 TTGATGTTAAAGAGTATGACCGGGCGGCACATTCCTTCACGGCTGCAATAGCAAGAAAGCCTATTTCT
 GTACATGTATTCCAGATACCTGTCTGGAGAGAAGAAGGATGACGAAACAGTTGATAGCCTAGGACCC
 CTAGAGAAAGGACAAGTCAAAAACGAGGCTCTCAGAGAACTGAGAGTGGAACTCAGCCGGAAGCACCAGG
 CTCGGGGACTTGATGGATTGGCCTTTACCTGTATGGGGTGGTGTTCGAAACTGGACTTAGTAAAGA
 GGCCATTGATGTGTTTGGAGGCTACTCATGTTTGCCTTTCGACTGGGAGCCTGGTTAGAGCTGTGT
 AACCTGATCACAGACAAAGAGATGCTGAAGTTCCTGTCTTGCCTGACACCTGGATGAAAGATTCTTCT
 TGGCTCACATATACAGAACTGCAGCTGATAGAGGAGGCCCTGCAGAAGTATCAGCATCTCATTGATGT
 GGGCTTTTCCAAGAGCTCGTACATTGTTTCCCAAATTGCAGTTGCCTATCACAATATCAGAGATATCGAC
 AAAGCCCTTTCTATTTTCAATGAGCTGAGGAAACAAGATCCTTACAGGATTGAAAATATGGACACATTCT
 CCAACCTTCTCTATGTCAGGAGCATGAAGTCTGAATTGAGTTACCTGGCGCATAACCTCTGTGAAATTGA
 TAAATACCGAGTAGAAACATGCTGTGTAATTGGCAATTATTACAGCTTACGCTCCAGCATGAGAAAGCA
 GCTTTGTATTTCCAGAGAGCCCTAAAGTTGAATCCTAGGTACCTTGGGGCCTGGACACTGATGGGGCAGC
 AGTACATGGAGATGAAGAACACGCTGCAGCTATTCAGGCTTACCGACATGCCATTGAGGTCAACAAGAG
 AGACTACAGAGCTTGGTATGGCCTTGGGCAGACTTACGAAATCCTTAAATGCCATTTTATTGCCTTTAT
 TATTATAGACGGGCCACCAGCTTCGTCCCAATGATTCTCGCATGCTGGTTGCCTTAGGAGAATGTTATG
 AGAAACTCAACTAGTGGAAGCCAAAAAGTGTATTGGAGAGCATATGCCGTGGGAGACGTGGAGAA
 AATGGCTCTTGTGAAGCTGGCCAAGCTTCAAGACAGTTGACTGAGTCAAGCAGGCTGCCAGTGTAC
 ATCAAATACATCCAAGATATCTATTCTGTGGGGAGACCGTGGAGCACTTGGAGGAGACACAGCCTTCC
 GATACCTGGCCAGTACTATTTAAGTGAAGCTGTGGGATGAAGCTTCAACTTGTGCCAAAAATGTTG
 TGCATTCAATGATACCCGGGAAGAAGGTAAAGCCCTTGTCCGCCAGATCTACAGCTGAGGAACCAAGGG
 GAGACACCCACCTCTGACACGCCGGTACCTTTTCTCCTGCCTCACTGTCTGCAACAACACTCCTA
 CACGCAGAGTTTCTCACTCAACCTGTCTTCAGTCACACCA**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_178347
- Insert Size:** 1794 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_178347.4](#), [NP_848124.1](#)

RefSeq Size: 4134 bp

RefSeq ORF: 1794 bp

Locus ID: 52563

UniProt ID: [Q8BGZ4](#)

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]