

Product datasheet for **MG207684**

Cdc23 (BC059013) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Cdc23 (BC059013) Mouse Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | Cdc23 |
| Synonyms: | 6030435O18; D18Ertd243e |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



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ORF Nucleotide Sequence:

>MG207684 representing BC059013
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTATCCAGATACCTGTCTGGAGAGAAGAAGAAGGATGACGAAACAGTTGATAGCCTAGGACCCCTAG
 AGAAGGGACAAGTCAAAAACGAGGCTCTCAGAGAAGTCTGAGAGTGGAACTCAGCCGGAAGCACCAGGCTCG
 GGGACTTGATGGATTTCGGCCTTTACCTGTATGGGGTGGTCTTCGAAACTGGACTTAGTGAAAGAGGCC
 ATTGATGTGTTTGTGGAGGCTACTCATGTTTTGCCTTTGCACTGGGGAGCCTGGTTAGAGCTGTGTAACC
 TGATCACAGACAAAGAGATGCTGAAGTTCCTGTCTTTGCCTGACACCTGGATGAAAGAGTTCTTCTTGGC
 TCACATATACACAGAAGTGCAGCTGATAGAGGAGGCCCTGCAGAAGTATCAGCATCTCATTGATGTGGC
 TTTTCCAAGAGCTCGTACATTGTTCCCAAATTCAGTTGCCTATCACAATATCAGAGATATCGACAAAG
 CCCTTTCTATTTTCAATGAGCTGAGGAAACAAGATCCTTACAGGATTGAAAATATGGACACATTCTCCAA
 CCTTCTCTATGTCAGGAGCATGAAGTCTGAATTGAGTTACCTGGCGCATAACCTCTGTGAAATTGATAAA
 TACCGAGTAGAAACATGCTGTGTAATTGGCAATTATTACAGCTTACGCTCCCAGCATGAGAAAGCAGCTT
 TGTATTTCCAGAGAGCCCTAAAGTTGAATCCTAGGTACCTTGGGGCTGGACACTGATGGGGCACCAGTA
 CATGGAGATGAAGAACACGTCTGCAGCTATTACAGGCTTACCGACATGCCATTGAGGTCAACAAGAGAGAC
 TACAGAGCTTGGTATGGCCTTGGCAGACTTACGAAATCCTTAAAATGCCATTTTATTGCCTTTATTATT
 ATAGACGGGCCACCAGCTTCGTCCTCAATGATTCTCGCATGCTGGTTGCCTTAGGAGAATGTTATGAGAA
 ACTCAATCAACTAGTGAAGCCAAAAAGTGTATTGGAGAGCATATGCCGTGGGAGACGTGGAGAAAATG
 GCTCTTGTGAAGCTGGCAAGCTTCATGAACAGTTGACTGAGTCAGAGCAGGCTGCCAGTGTACATCA
 AATACATCCAAGATATCTATTCCCTGTGGGAGACCGTGGAGCACTTGGAGGAGACACAGCTTCCGATA
 CCTGGCCCAAGTACTATTTAAGTGCAAGCTGTGGGATGAAGCTTCAACTTGTGCCAAAAATGTTGTGCA
 TTCAATGATACCCGGAAGAAGGTAAGGCCTTGCTCCGCCAGATCCTACAGCTGAGGAACCAAGGGGAGA
 CACCCACCTCTGACACGCCGGTACCTTTTCTCCCTGCCTCACTGTCTGCAAACAACACTCTACACG
 CAGAGTTTCTCCACTCAACCTGTCTTCAGTCACACCA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG207684 representing BC059013
 Red=Cloning site Green=Tags(s)

MYSRYLSGEKKKDETVDSLGPLEKQVKNEALRELVELSRKHQARGLDGFGLYLYGVVLRKLDLVKEA
 IDVFVEATHVPLHWGAWLELCNLITDKEMLKFLSLPDTWMKEFFLAHIYTELQLIEEALQKYQHLIDVG
 FSKSSYIVSQIAVAYHNIRDIDKALSIFNELRKQDPYRIENMDTFSNLLYVRSMKSELSYLAHNLCEIDK
 YRVETCCVIGNYYSLRSQHEKAALYFQRALKLNPRYLGAWTLMGHEYMEMKNTSAAIQAYRHAIEVNRD
 YRAWYGLGQTYEILKMPFYCLYYRRAHQLRPNDSRMLVALGECYEKLNQLVEAKKCYWRAYAVGDVEKM
 ALVKLAKLHEQLTESEQAAQCYIKYIQDIYSCGETVEHLEESTAFRYLAQYYFKCKLWDEASTCAQKCCA
 FNDTREEGKALLRQILQLRNQGETPTSDTPGTFPLPASLSANNTPTRRVSPLNLSVTP

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

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]