

## Product datasheet for **MG203568**

### Cited2 (BC057126) Mouse Tagged ORF Clone

#### Product data:

|                           |                                                                            |
|---------------------------|----------------------------------------------------------------------------|
| Product Type:             | Expression Plasmids                                                        |
| Product Name:             | Cited2 (BC057126) Mouse Tagged ORF Clone                                   |
| Tag:                      | TurboGFP                                                                   |
| Symbol:                   | Cited2                                                                     |
| Synonyms:                 | Mrg1, p35srj, ER154-like                                                   |
| Mammalian Cell Selection: | Neomycin                                                                   |
| Vector:                   | pCMV6-AC-GFP (PS100010)                                                    |
| E. coli Selection:        | Ampicillin (100 ug/mL)                                                     |
| ORF Nucleotide Sequence:  | >MG203568 representing BC057126<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCAGACCATATGATGGCCATGAACCACGGGCGCTTCCCCGACGGCACCAACGGGCTGCACCACCACC  
CTGCCACCGCATGGGCATGGGGCAGTTCGAGCCCGCATCATCACCAGCAGCAGCAGCCCCAGCAGC  
CTTCAACGCCCTCATGGGCGAGCACATACTACGGCGCGGGCAACATGAATGCCACGAGCGGCATCAGG  
CACGCCATGGGGCCGGGACTGTGAACGGGGGGCACCCCCGAGCGCTCTGGCCCCGGCCCGCAGGTTTA  
ACAACCTCCAGTTCATGGGTCCCCGGTGGCCAGCCAGGGAGGCTCCCTGCCGGCCAGCATGCAGCTGCA  
GAAGCTCAACAACAGTATTTCAACCATACCCCTACCCCCACAACCACTACATGCCGGATTTGCACCCC  
ACTGCAGGCCACAGATGAACGGGACAAACCAGCACTTCCGAGATTGCAACCCCAAGCACAGCGGAGGCA  
GCAGCACCCCTGGCGGTGCGGGTGGCAGCGGCACCCCCGGCGGCTCCGGCGGCACCTCGGGCGGCGCGGG  
TGGCAGCAGCGCGGGCGGCGAGCGCGGTGGCAGCACCATGCCCGCTCGGTGGCTCACGTCCCCGCGGCA  
ATGCTGCCGCCAATGTCATAGACACTGATTTTCATCGACGAGGAAGTGCTTATGTCCTTAGTGATAGAAA  
TGGGTTTGGACCGCATCAAGGAGCTGCCGAACCTGGCTGGGCCAAAATGAGTTTGATTTTATGACGGA  
CTTCGTGTGCAAGCAGCAGCCAGCAGAGTCAGCTGT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG203568 representing BC057126  
 Red=Cloning site Green=Tags(s)

MADHMMAMNHGRFPDGTNGLHHHPAHRMGMGQFPSPHHHQQQPQHAFNALMGEHIHYGAGNMNATSGIR  
 HAMGPGTVNGGHPPSALAPAARFNNSQFMGPPVASQGGSLPASMQLQKLNNQYFNHHYPHNHYMPDLHP  
 TAGHQMNGTNQHFRDCNPKHSGGSSTPGGAGSGTTPGGSGGTSGGAGGSSAGGSGGGSTMPASVAHVPA  
 MLPPNVIDTDFIDEEVLSLVIEMGLDRIKELPELWLGQNEFDFTDFVCKQQPSRVSC

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** BC057126

**ORF Size:** 809 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.

**RefSeq:** [BC057126](#), [AAH57126](#)

**RefSeq Size:** 1960 bp

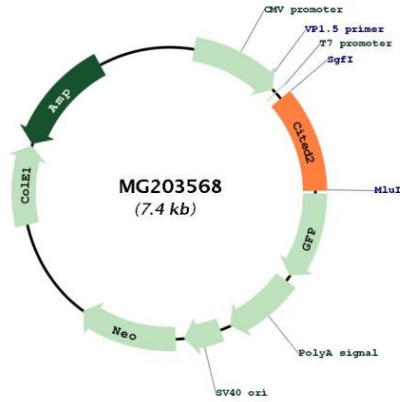
**RefSeq ORF:** 809 bp

**Locus ID:** 17684

**Cytogenetics:** 10 A2

**Gene Summary:** Transcriptional coactivator of the p300/CBP-mediated transcription complex. Acts as a bridge, linking TFAP2 transcription factors and the p300/CBP transcriptional coactivator complex in order to stimulate TFAP2-mediated transcriptional activation. Positively regulates TGF-beta signaling through its association with the SMAD/p300/CBP-mediated transcriptional coactivator complex. Stimulates the peroxisome proliferator-activated receptors PPARA transcriptional activity. Enhances estrogen-dependent transactivation mediated by estrogen receptors. Acts also as a transcriptional corepressor; interferes with the binding of the transcription factors HIF1A or STAT2 and the p300/CBP transcriptional coactivator complex. Participates in sex determination and early gonad development by stimulating transcription activation of SRY. Plays a role in controlling left-right patterning during embryogenesis; potentiates transcriptional activation of NODAL-mediated gene transcription in the left lateral plate mesoderm (LPM). Plays an essential role in differentiation of the adrenal cortex from the adrenogonadal primordium (AGP); stimulates WT1-mediated transcription activation thereby up-regulating the nuclear hormone receptor NR5A1 promoter activity. Associates with chromatin to the PITX2 P1 promoter region.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG203568