

## Product datasheet for **RR209591**

### Cited2 (NM\_053698) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Cited2 (NM\_053698) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Cited2  
**Synonyms:** Mrg1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RR209591 representing NM\_053698  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCAGACCATATGATGGCCATGAACCACGGTCGCTTCCCCGACGGCACCAACGGGCTGCACCACCACC  
CTGCCCACCGCATGGGCATGGGGCAGTTCGAGCCCGCATCACCACCAGCAGCAGCCCCAGCACGC  
CTTCAACGCCCTCATGGGCGAGCACATACTACGGCGCGGGCAACATGAATGCCACGAGCGGCATCAGG  
CACGCCATGGGGCCGGGACTGTGAACGGGGGGCACCCCCGAGCGCTCTGGCCCCGGCCCGCAGGTTTA  
ACAACCTCCAGTTCATGGGTCCCCTGTGGCCAGCCAGGGAGGCTCCCTGCCGGCCAGCATGCAGCTGCA  
GAAGCTCAACAACAGTATTTCAACCATACCCCTACCCCAACAACCACTACATGCCGGATTTGCACCCC  
GCTGCAGGCCACCAGATGAACGGGACAAACCAGCACTTCCGAGATTGCAACCCCAAGCACAGTGGAGGCA  
GCAGCACCCCTGGCGGCGCGGTGGCAGCGGCACCCCCGGCGGCTCCGGCGGCACCTCGGGCGGCGCGGG  
TGGCAGCAGCGCGGGCGGCGAGTGGCGGTGGCAGCACCATGCCCGCTCGGTGGCTCACGTCCCCGCGGCA  
ATGCTGCCGCCAATGTCATAGACACTGATTTTCATCGACGAGGAAGTGCTTATGTCCTTAGTGATAGAGA  
TGGGTTTGGACCGCATCAAGGAGCTGCCAGAACTCTGGCTGGGCCAAAATGAGTTTGATTTTATGACGGA  
CTTCGTGTGCAACAGCAGCCCCAGCAGAGTCAGCTGT

**ACGCGT**ACGCGGCGGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



**Protein Sequence:** >RR209591 representing NM\_053698  
 Red=Cloning site Green=Tags(s)

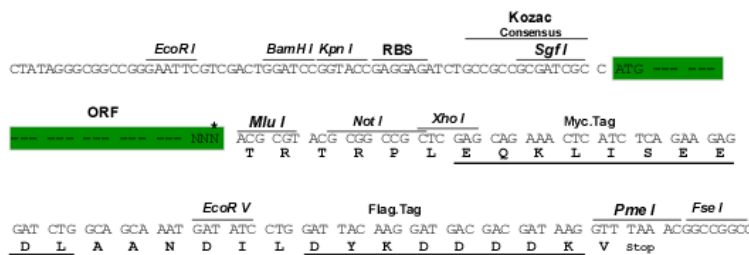
MADHMMAMNHGRFPDGTNGLHHHPAHRMGMGQFPSPHHHQQQPQHAFNALMGEHIHYGAGNMNATSGIR  
 HAMGPGTVNGGHPPSALAPAARFNNSQFMGPPVASQGGSLPASMQLQKLNNQYFNHHYPYHNHYMPDLHP  
 AAGHQMNGTNQHFRDCNPKHSGGSSTPGGAGSGTTPGGSGGTSGGAGGSSAGGSGGGSTMPASVAHVPA  
 MLPPNVIDTDFIDEEVLSLVIEMGLDRIKELPELWLGQNEFDFTDFVCKQQPSRVSC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_053698

**ORF Size:** 807 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:** [NM\\_053698.2](#), [NP\\_446150.1](#)

**RefSeq Size:** 1996 bp

**RefSeq ORF:** 810 bp

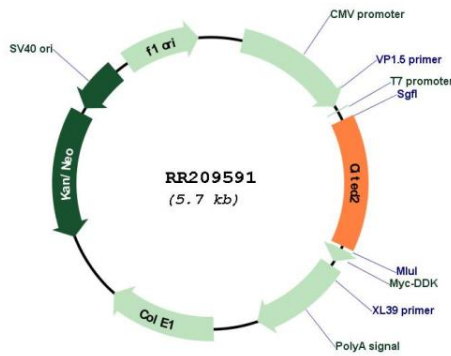
**Locus ID:** 114490

**Cytogenetics:** 1p12

**MW:** 28.3 kDa

**Gene Summary:** a transcription factor [RGD, Feb 2006]

**Product images:**



Circular map for RR209591