

## Product datasheet for MR223376

### Cited4 (NM\_019563) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Cited4 (NM\_019563) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Cited4  
**Synonyms:** MRG-2; Mrg2  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR223376 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCCGACCACCTGATGCTCGCCGAGGGCTACTGCCTGCTACAGGTGCCGCCGACACCCACGGCCCGC  
 ACGCTCCCGGACTCTGCAGCCATACGCAGGCCCGGGCATGGACAGCGGTCTGCGCCGCGGGGGGCTCC  
 GCTGGGACCGCCGCCACCCGGGACCCTGGCATAACGGCTCCTCGGGTCGCCGGTCTCTTTCCAGCCC  
 TTCCCGTCTCGAGTCGCCGGCGCCGGTAGCACGCACCTGCAGTCTGCAGCCACACCGTCCCGGGCC  
 GCATCCCGGCGCCCGCCGAGCCGCTGGAGGGCCCTCACCTCTGCAGCCGCGCCGGAGCCGAGCCTC  
 GTTGCCGCGCCGCCGCCACCCGCCCTGGGCTGCATGGACACCGAGCTCATCGACGAAGAGGCGCTG  
 ACGTCGCTGGAAGTCTGAGCTCGGGTTGCACCGCTACGCGAGCTGCCGGAGCTTCTCCTCGCCAGAGCG  
 AGTTTCGATTGCTTCTCAGACCTGGGGTCAGCGCCGCCCGCGCTCGGTGAGCTGT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR223376 protein sequence  
 Red=Cloning site Green=Tags(s)

MADHMLAEGYCLLQVPPHTHGPHAPRTLQPYAGPGMDSGLRPRGAPLPPPPPGTLAYGSFSPVSFQP  
 FPVSQSPGAGSTHLQSAATPSPGRIPAPPAAAGGPSPLQPAPGAAASLPPPPPPALGCMDELIDEEAL  
 TSLELELGLHRVRELPELFLGQSEFDCFSDLGSAPAAGSVSC

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI



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**Cloning Scheme:**


**ACCN:** NM\_019563

**ORF Size:** 549 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\\_019563.2](#), [NP\\_062509.1](#)

**RefSeq Size:** 1258 bp

**RefSeq ORF:** 549 bp

**Locus ID:** 56222

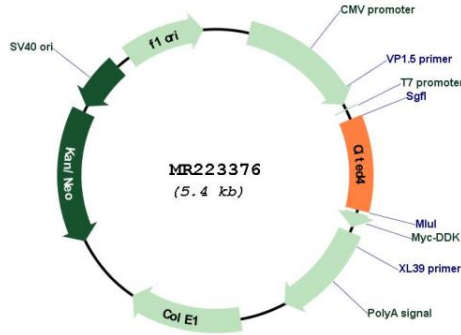
**UniProt ID:** [Q9WUL8](#)

**Cytogenetics:** 4 56.52 cM

MW: 18.4 kDa

**Gene Summary:** Acts as transcriptional coactivator for TFAP2/AP-2. Enhances estrogen-dependent transactivation mediated by estrogen receptors. May function as an inhibitor of transactivation by HIF1A by disrupting HIF1A interaction with CREBBP. May be involved in regulation of gene expression during development and differentiation of blood cells, endothelial cells and mammary epithelial cells.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR223376