

Product datasheet for **MG223376**

Cited4 (NM_019563) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cited4 (NM_019563) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Cited4
Synonyms: MRG-2; Mrg2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG223376 representing NM_019563
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCGACCACCTGATGCTCGCCGAGGGCTACTGCCTGCTACAGGTGCCGCCGACACCCACGGCCCGC
 ACGCTCCCGGACTCTGCAGCCATACGCAGGCCCGGGCATGGACAGCGGTCTGCGCCGCGGGGGGCTCC
 GCTGGGACCGCCGCCACCCGGGACCCTGGCATACGGCTCCTCGGGTCGCCGGTCTCTTTCCAGCCC
 TTCCCGTCTCGAGTCGCCGGGCGCCGGTAGCACGCACCTGCAGTCTGCAGCCACACCGTCCCGGGCC
 GCATCCCGGCGCCCGCCGAGCCGCTGGAGGGCCCTCACCTCTGCAGCCGCGCCGGAGCCGCAGCCTC
 GTTGCCGCGCCGCCGCCACCCGCCCTGGGCTGCATGGACACCGAGCTCATCGACGAAGAGGCGCTG
 ACGTCGCTGGAACCTCGAGCTCGGGTTGCACCGCTACGCGAGCTGCCGGAGCTTCTCCTCGCCAGAGCG
 AGTTTCGATTGCTTCTCAGACCTGGGGTCAGCGCCGCCCGCGCTCGGTGAGCTGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG223376 representing NM_019563
 Red=Cloning site Green=Tags(s)

MADHMLAEGYCLLQVPPHTHGPHAPRTLQPYAGPGMDSGLRPRGAPLPPPPPGTLAYGSFSPVSVFQP
 FPVVSQSPGAGSTHLQSAATPSPGRIPAPPAAGGSPPLQPAPGAAASLPPPPPPALGCMDELIDEAL
 TSLELELGLHRVRELPELFLGQSEFDCFSDLGSAPAAGSVSC

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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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:	<ol style="list-style-type: none">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:	<u>NM_019563.2</u> , <u>NP_062509.1</u>
RefSeq Size:	1258 bp
RefSeq ORF:	549 bp
Locus ID:	56222
UniProt ID:	<u>Q9WUL8</u>
Cytogenetics:	4 56.52 cM
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]