

Product datasheet for **MC202716**

Cited2 (NM_010828) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cited2 (NM_010828) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cited2
Synonyms:	AI835299; ER154-like; Mrg1; Msg2; p35srj
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC057126 sequence for NM_010828
 GCCTGGCGGTCTTGC GGAGCGGCTAGGGCAGCGGAGGAAAAGAAAAGGGAACGGCTCGGAATTTGCTCCA
 GCGGCTGCTGCAAGACCTCGGCGCAACCTCGCACCGGCGAGCGCCTCACAGCCCATCGGCTGTCCCTCT
 ATGTGCTGCTGAGCCGGTCTGGACTCGACGAGCCCGCTTCGGTGTCCGAGCAGAAATCGCAAAGACG
 GAAGGACTGGAATGGCAGACCATATGATGGCCATGAACCACGGGCGCTTCCCCGACGGCACCAACGGGC
 TGCACCACCACCTGCCACCGCATGGGCATGGGGCAGTTCGAGCCCGCATCATCACCAGCAGCAGCA
 GCCCCAGCAGCCTTCAACGCCCTCATGGGCGAGCACATACACTACGGCGGGGCAACATGAATGCCACG
 AGCGGCATCAGGCACGCCATGGGGCCGGGACTGTGAACGGGGGGCACCCCGAGCGCTCTGGCCCGG
 CCGCCAGGTTTAAACAACCTCCAGTTCATGGGTCCCGGTTGGCCAGCCAGGGAGGCTCCCTGCCGCCAG
 CATGCAGCTGCAGAAGCTCAACAACAGTATTTCAACCATCACCCCTACCCCAACCACTACATGCCG
 GATTTGCACCCCACTGCAGGCCACCAGATGAACGGGACAAACCAGCACTCCGAGATTGCAACCCCAAGC
 ACAGCGGAGGCAGCAGCACCCCTGGCGGTGCGGGTGGCAGCGGCACCCCGGGCGGCTCCGGCGGCACCTC
 GGGCGGCGGGTGGCAGCAGCGGGCGGCAGCGGGTGGCAGCACCATGCCCGCTCGTGGCTCAC
 GTCCCCGGCAATGCTGCCGCCAATGTCATAGACACTGATTTTCATCGACGAGGAAGTGTATGTCT
 TAGTGATAGAAATGGGTTTGGACCGCATCAAGGAGCTGCCGAACTCTGGCTGGGCAAAATGAGTTTGA
 TTTTATGACGGACTTCGTGTGCAAGCAGAGCCAGCAGAGTCACTGTTGACTCGGTTAACCTCGCAGG
 CGGAAAGAAATCACCTCCCCACCCACCCCAACCCCAACTTCTTCGGTGTGAATTAACCAACCAACAA
 AAAAAACAACATTCCTTAGACGAGTATCTCGCTTTTCAGATCCTGAAAGGGTTGAGAACCTGGAAACA
 AAGTAACTATAAACTTGTACAAATTTGGTTTAAAAAAGATTGCTGCCACTTTTCTTCTTCTTCTT
 GTTTCGTTTTTTGAGCCTTGACATTACCTCCCTTATGTAGTTGAAATATCTAGCTAAGTTGGTCTTTT
 TTGTTGTTGTTTTACTCCTTATTTCTCACTTTCTCCCGTCACTGTTAGATATTAAGCTTGGC
 AAAGCTTAATCTTGTGGATTTTGTAGATGGTTTCAAATGACTGCGCTCGGTTGAGATTCATGAGTGAA
 AGGAAACATTGCATTTGTTGGCTGCATGATCTTTGAAGGGCAGATATTACTGCACAACTGCCATCTCGC
 TTCATTTTTTTTAACTATGCATTCGAGTACAGACTTAAGTTTTCAAATATGCTAAACTGGAAGATTAAC
 ATGTGGGCCAAACCGTTCTGGATCAGGAAAAGTACATACCGTTCACTTTCAAGTTGGCTGTCTCCCTCCC
 CCATATGTACAGACAATAATAGGGTGTGGAATGTCGTGAGTGGCAACATTTACAGATTTTTATTTTGT
 TTCTGTCTTCAACATTTTGGACTGTGCTAATAGTTATATTCAGTACATGAAAAGATACTACTGTGTTG
 AAAGCTTTTTAGGAAATTTTACAGTATTTTTGTACAAAACATTTTTTTGAGAAAATACTGTAAATTTA
 TTCTATTTAATTTGCCAATGTCAATAAAAAGTTAAGAAATAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Ascl-NotI

ACCN: NM_010828

Insert Size: 810 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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: 810 bp

Locus ID: 17684

UniProt ID: [O35740](#)

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]