

Product datasheet for MR203568

Cited2 (NM_010828) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cited2 (NM_010828) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cited2
Synonyms:	AI835299; ER154-like; Mrg1; Msg2; p35srj
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203568 representing NM_010828 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCAGACCATATGATGGCCATGAACCACGGGCGCTTCCCCGACGGCACCAACGGGCTGCACCACCACC
CTGCCACCGCATGGGCATGGGGCAGTTCCTCGAGCCCGCATCATCACCAGCAGCAGCAGCCCCAGCAGC
CTTCAACGCCCTCATGGGCGAGCACATACTACGGCGCGGGCAACATGAATGCCACGAGCGGCATCAGG
CACGCCATGGGGCCGGGACTGTGAACGGGGGGCACCCCCGAGCGCTCTGGCCCCGGCCCGCAGGTTTA
ACAACCTCCAGTTCATGGGTCCCCGGTGGCCAGCCAGGGAGGCTCCCTGCCGGCCAGCATGCAGCTGCA
GAAGCTCAACAACAGTATTTCAACCATCACCCCTACCCCCACAACCACTACATGCCGGATTTGCACCCC
ACTGCAGGCCACCAGATGAACGGGACAAACCAGCACTTCCGAGATTGCAACCCCAAGCACAGCGGAGGCA
GCAGCACCCCTGGCGGTGCGGGTGGCAGCGGCACCCCCGGCGGCTCCGGCGGCACCTCGGGCGGCGCGGG
TGGCAGCAGCGCGGGCGGCGAGCGCGGTGGCAGCACCATGCCCGCTCGGTGGCTCACGTCCCCGCGGCA
ATGCTGCCGCCAATGTCATAGACACTGATTTTCATCGACGAGGAAGTGCTTATGTCCTTAGTGATAGAAA
TGGGTTTGGACCGCATCAAGGAGCTGCCGAACCTGGCTGGGCCAAAATGAGTTTGATTTTATGACGGA
CTTCGTGTGCAAGCAGCAGCCCCAGCAGAGTCAGCTGT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR203568 representing NM_010828
 Red=Cloning site Green=Tags(s)

MADHMMAMNHGRFPDGTNGLHHHPAHRMGMGQFPSPHHHQQQPQHAFNALMGEHIHYGAGNMNATSGIR
 HAMGPGTVNGGHPPSALAPAARFNNSQFMGPPVASQGGSLPASMQLQLNNQYFNHHYPHNHYMPDLHP
 TAGHQMNGTNQHFRDCNPKHSGGSSTPGGAGSGTTPGGSGGTSGGAGGSSAGGSGGGSTMPASVAHVPA
 MLPPNVIDTDFIDEEVLSLVIEMGLDRIKELPELWLGQNEFDFTDFVCKQQPSRVSC

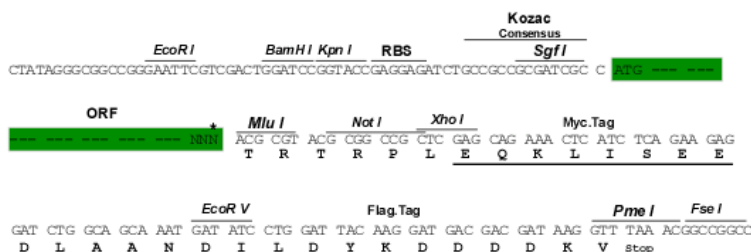
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9089_b07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_010828

ORF Size: 807 bp

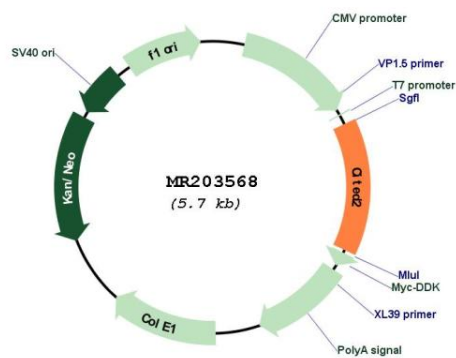
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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:	<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:	NM_010828.3 , NP_034958.2
RefSeq Size:	1980 bp
RefSeq ORF:	810 bp
Locus ID:	17684
UniProt ID:	O35740
Cytogenetics:	10 A2
MW:	28.3 kDa
Gene Summary:	<p>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]</p>

Product images:



Circular map for MR203568