

Product datasheet for **MR210074**

Crtc2 (NM_028881) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Crtc2 (NM_028881) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Crtc2 |
| Synonyms: | 4632407F12Rik; mTORC2; Torc2 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



[View online »](#)

ORF Nucleotide
Sequence:

>MR210074 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCGACGT CAGGGCGAACGGGCCGGTTCCGCCACAGCCTCAGCGTCCAATCCACGCAAGTTTAGTG
AGAAGATTGCGCTGCAGAAGCAGCGTCAGGCCGAGGAGACGGCGCCTTCGAGGAGGTGATGATGGACAT
CGGCTCCACACGGTTACAGGCCAAAACTGCGACTGGCTTATACAAGGAGCTCCATTATGGTGGTTCT
CTGCCAATGTTAACAGATTGGCTGTGGCTGGCTGAGTTCCAGAGCCCCCTTCACTCACCTTTGGATT
CATCTCGGAGCACTCGGCACCATGGGTTGGTGAACGGGTACAACGAGATGCCCGCAGAATGGTGTCCCC
ACTCCGCCGATACCCCGCCACATTGACAGTTCTCCATATAGCCCTGCCTATTTATCTCTCCCCAGAG
TCTGGCTGGCGAAGGATGATGCCCTGGGGCAACCTCCAGCTGAGAAGGGGCAGTTGTTTAGACTGCCGT
CTGCACCTAACAGACAAGCTCTGACTCTGCTCTTACACAAGTGTGATGAACCTAACCCCAAGACAC
TTATCCAGGCCACACCTCCAGTGTCTGCCCAGCCGCGAGGAGGAGTTTTCTGGATGGTGGAGATG
GATGCTAAAGTCCCTGCTATTGAGGAGAAGCTGGTAGATGACAAGCATCTGCTGAAACCTGGGATGCTA
AGAAGCTGTCCTCATCTTCTCTCGACCTCGATCTGTGAAGTCCCTGGAATCAACATCTTTCATCTCC
TGACCAGCTGCTAATGTGCCTGTCTCCACCTGCCATGAACACAGGAGGCTCCCTACCTGACCTCACC
AACCTACACTTCCCTCTCCACTGCCACACCCCTGGACCCTGAGGAGACAGTCTATCCCAGCTGAGTG
GGGGCAACAGTACCACCAATTTGACCCATACTATGACCCATTTGGGCATCAGTGGAGGTCTGGGCTTGGG
CCCCAGCTATGATGTACCAGGACTTCACTACCTCTTAGCCACCCATCCCTGCAGTCTCCCTAAGCAAT
CCCAACCTCCAGGCTTCCCTAAGTAGTCTCAACCCAGCTCCAGGGCTCCCATAGTCAACCATCACTGC
CTGCTCTCTCTTGGCCACCATGCACCTGCCACACCTCCCTGGGCCACCCGTCACCTTAGTCCCCAGC
CCTTCT
ACTCTGGGGCTCTCCCCGCCACCGTCTGTGCCCTCAGCCCTGAGCTTGCCCGGGGCCAGCCG
ACGCCAGAAGGTCCCAACAGCAGCTGCCAAACAGTTTTTCGCCAACAATGTACCCACCTTGTCTCCAT
CACTCAGGGCTTCCCTTGATACCAGTAAATGCCTACTGACCAGGATTGCCCCATACCCATATAGC
CCCCAAGTCTAGTTATACCCACCCATCCACCCACCCAAAGTCTCTACAGCAGTTGCCCTCTCAGGCT
GCTTAGTGCAGCCCTCAGGTGGACAGCCTCCAGGCAGGCAGCCACATTATGGGGCACTGTACCCACCTGG
GTCCAGTGGACATGGGCAACAGCCTTACCACCGCCCAATAAATGACTTCACTTGGGGAATCTGGAGCAA
TTCAACATGGAGAGCCCATCAACCAGCCTGGTGTGGATCCCCCTGCCTTTTCTGAAGTCTGGATTTT
TAGGGAGTGAGGGATCAATGAGTGGCCCCAGGACCTCACGTCTCAACCACCAGAACTTGACCCACTG
TTCCCGCATGGCTCAGGACCTAATATCACTACAGGAGACTTCCCCAGGTTTCTCTAAGGAGATT
GCAGCAGCCCTGGCTGGAGTGCCTGGCTTTGAGGTGTCAGCATCTGGGTTGGAGCTGGGCTGGGCTAG
AAGATGAGCTGCGCATGGAGCCACTGGGCTGGAAGGACTAACTATGCTGAGTGACCCCTGTGCCCTGCT
GCCTGACCCTGCTGTGGAGGACTATCCGTAGTGATCGGCTACAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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_028881.3](#)

RefSeq Size: 2647 bp

RefSeq ORF: 2079 bp

Locus ID: 74343

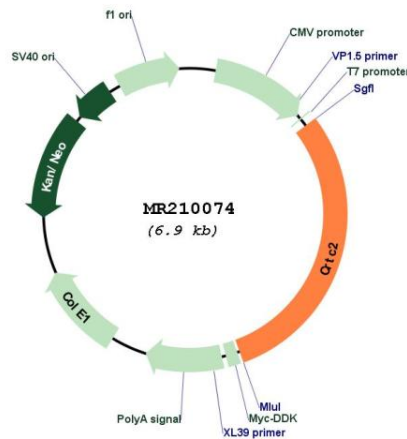
UniProt ID: [Q3U182](#)

Cytogenetics: 3 F1

MW: 73.2 kDa

Gene Summary: Transcriptional coactivator for CREB1 which activates transcription through both consensus and variant cAMP response element (CRE) sites (PubMed:29211348). Acts as a coactivator, in the SIK/TORC signaling pathway, being active when dephosphorylated (PubMed:29211348). Acts independently of CREB1 'Ser-133' phosphorylation. Enhances the interaction of CREB1 with TAF4. Regulates gluconeogenesis as a component of the LKB1/AMPK/TORC2 signaling pathway. Regulates the expression of specific genes such as the steroidogenic gene, StAR. Potent coactivator of PPARGC1A and inducer of mitochondrial biogenesis in muscle cells (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR210074