

Product datasheet for **MC203002**

Cipc (NM_173735) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cipc (NM_173735) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cipc
Synonyms:	2310044G17Rik; AI842544; AI853744; Kiaa1737; mKIAA1737
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC026384
 CCAGGTTGTCATGGAGTCGTGGGGACCGGCTCGCGCATGCGCCTGCTAACCCGCCGGACTGGTCATGGAG
 CGGCGACCCTGGCCCTTAGAGTAATCCATATGCAAAGAGTACCTGTGCTCCGTCTTCCGGCCATCTTAGA
 CATGGAGAGGAAAATCCCATCCAGAGAGAGCCCCAGAAGACTGTCCGCCAAGCCAGGCCGAGGCACGGAG
 ATGAAGAAGCTAGCGCGACCACTTGGCGTGGTGGCAGCTGACTCAGACAAGGACTCTGGCTTCTCAGATG
 GGAGCTCAGAATGTTTGGAGTCCGCAGAGCAGATGGAGTCAGAGGACATGCTGAGCGCCTTGGGCTGCAA
 GAGAGAAGACAAGCGGAGGCAGCCCTCAAAGCTGCGGACACTGCCCTCCCCACGCTGCCCTATGGTC
 GTCATGAAGAGCGTGTGGTCAAGCAGGGCAGCAGCTCCTCCAGCTTCACTCCTGGACTGTCCAGCCCT
 CCTTTGAAGTGATCTCAGCGCAGCCACAGCTCTTTGTCCTTCATCCACCTGTGCCATCTCCTGTAGCTC
 ATGCCAGACTGGTGAGAAAAAGTCAGAATCCAGAACTACTTGCCATTCTAAATTTTATACAAAATA
 GCCCCCCACCCAGGCAAGAGGGGCTCAATTCAGAAGACAGAGGAACAAGTGGGGTATCGAAGAACTCT
 GCACGGAGAGACCGGGCCAAGCCTGTCTTCCAGTGGCCAGCCAAGACTGGCCGAGTATTATCCAGTCC
 TTCCACTCCAGCCCCACCCAGCTCCAACTCACTGAGGACTCCACTCTGCAAGGAGTTCCCTCCCTTGGG
 GCTGGCGGAAGTCCACAGACTCTTCCAGCTGTGTCCAGCAGCCATGTGGCTAAAGCTCCCAGTCTGACTT
 TGGCTTCGCCCGCAGCCCTGTGTGTGCGTCAGACAGCACTCTGCATGGCCTAGAGAGCAGCTCCCCTCT
 CTCGCCACTGTACGCCAGTTACACTTCACTCTGTGGGCTGCGGAGCACCTCTGCGCAGCCAGACATC
 TTCTCCGAGCAGAGGCAGAAACAAGCATAGGCGCTTTCAGAATACCTTAGTGGTCTCCACAAGTCTGGTT
 TGCTGGAGTCACTCTGAAAACCAAGGAGTTGATTGTCGAGAACCAAGCAACTCAGGCAGAGCTGGACCA
 GCTGAAGGAGCAAACCCAGATGTTTATAGAGGCCACCAAGAGCAGGGCTCCTCAGGCATGGGCCAAGTTG
 CAGGCATCACTAACATCTGGGTCAGTCATTGAGGAGTACCTAGACACGTTGTCTGATCACCCAGACG
 TATAGCACAGAAACATTTCCAGTATTTGAGTTAACTCCTTTACTATTACAACCTACCCTGTTTTCCAC
 AGCCTATTTAAGAGCTTTTCTTTCTAACTCACCCACAAAGCCACGTGCCAGTCCCTGGCTGTTGTCTTA
 GTCTGTGGTCCGTGCACAGGTTAAGTGTGTTAAGTTCTCTGAGGAATCCAGCTGGAAGTATCTGTGAG
 TCCCTTTTCCCTGACCTGCAGGCACCTTAGCTGGATCTTGGGACAAGGGAGAGATGGCTGTGTGTCTTT
 CAGCTGTTCCCTCCATCCTCCTCACTGTCCAGGGTCAGGGAACAGTGACATGGATGAGTGTACACA
 GTGACACTTGTCCAACCAAGGAGTAGGTGACCTAAGGATCCCTTCACTGTCTCCCTCAAGTATGTTAGT
 CACAGAGAAAGAGACGAGGATACGTTTGCATCTACCAGGCCTTGTGCCTGTGAGTGAAACCTAAAGTGT
 TTGGGCGCAGGTGCCTGGGTGCAAGCACTTACCACCTAAGGCTTTGTTCCCTTACCCGCGAAAAGTTAAAGG
 GGAAGGGCAACGCCATCTGGCTCACACACTGACCACACACTAGATCTCACCTATACAAGTAGGCAATAC
 TTCAGATTTTAAACATATAGAATGGATTTAATACTGTCTGGAATTTGATGTAATGCTTTTTTGTATT
 TAAGGGTCAAAGAAGCCAGCATTTTTGGTCACTAGCTGGAAGTTTTGTTCAATTTACTTGAAATAGCA
 CAGACTATCTAAAAGGCTTGAGATGGGGCTGCAGGATGGCTCAGTGAGGAAAGGTGCTTGCTGCCAGTGA
 CCTGAATTTGATCCCCTGAACCCACATGAGAGAAAGAGAATTTACTACTGCAGATTGTCCATCAAATGTG
 CACACACGCACACACAGATAAATAAACTAATCTAAAATTTAAATTTACAAGCTATCATCAACATCAAAC
 AAGGTAATAAATCAAAGCTTGAGATGACTTCACTGAGGCTCCTCAGGGTCTCGTGTAAAGTCCACCCTCTG
 TTGTCTCTGTGTGCTCCTCCAGTTGTTTCTGTGAGGGAAAATGATTGTGTATACATTTAAATGA
 AATAAAACCCAAGGCCACAACAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_173735

Insert Size: 1194 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: [BC026384](#), [AAH26384](#)

RefSeq Size: 2487 bp

RefSeq ORF: 1194 bp

Locus ID: 217732

UniProt ID: [Q8R0W1](#)

Cytogenetics: 12 D2

Gene Summary: Transcriptional repressor which may act as a negative-feedback regulator of CLOCK-ARNTL/BMAL1 transcriptional activity in the circadian-clock mechanism. May stimulate ARNTL/BMAL1-dependent phosphorylation of CLOCK (PubMed:17310242, PubMed:19414601). However, the physiological relevance of these observations is unsure, since experiments in knockout mice showed that CIPC is not critically required for basic circadian clock (PubMed:25862660).[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) encodes the longer isoform (a). Both variants 1 and 3 encode the same isoform.