

Product datasheet for **MC227134**

Cipc (NM_001289432) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cipc (NM_001289432) Mouse Untagged Clone
Tag: Tag Free
Symbol: Cipc
Synonyms: 2310044G17Rik; AI842544; AI853744; Kiaa1737; mKIAA1737
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC227134 representing NM_001289432
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAGTCAGAGGACATGCTGAGCGCCTTGGGCTGCAAGAGAGAAGACAAGCGGAGGCAGCCCTCCAAAG
CTGCGGACACTGCCCTCCCACGCTGCCCTATGGTCGTCATGAAGAGCGTGCTGGTCAAGCAGGGCAG
CAGCTCCTCCAGCTTCAGTCCCTGGACTGTCCAGCCCTCTTTGAAGTGATCTCAGCGCAGCCACAGCTC
TTTGTCCTTCATCCACCTGTGCCATCTCCTGTGACTCATGCCAGACTGGTGAGAAAAAGTCAGAAATCCA
GAAACTACTTGCCATTCTAAATTTCTTATACAAAATAGCCCCACCCAGGCAAGAGGGCCCTCAATTC
AGAAGACAGAGGAACAAGTGGGGTATCGAAGAACTCTGCACGGAGAGACCGGGGCAAGCCTGTCTTCC
AGTGAGCCAGCCAAGACTGGCCGAGTATTATCCAGTCTTCCACTCCAGCCCCACCCAGCTCCAACTCA
CTGAGGACTCCACTCTGCAAGGAGTCCCTCCCTGGGGCTGGCGGAAGTCCACAGACTTTCAGCCTGT
GTCCAGCAGCCATGTGGCTAAAGCTCCCAGTCTGACTTTGGCTTCGCCCAGCCCTGTGTGTGCGTCA
GACAGCACTCTGCATGGCCTAGAGAGCAGTCCCTCTCTCCCACTGTGAGCCAGTTACACTTCACCTC
TGTGGGCTGCGGAGCACCTTGCCGAGCCAGACATCTTCTCCGAGCAGAGCCAGCAAAAGCATAGGCG
CTTTCAGAAATACCTTAGTGGTCCCAAGTCTGGTTTGGCTGGAGATCACTCTGAAAACCAAGGAGTTG
ATTCGTGAGAACCAAGCAACTCAGGCAGAGCTGGACCAGCTGAAGGAGCAAAACCCAGATGTTTATAGAGG
CCACCAAGAGCAGGGCTCCTCAGGCATGGGCCAAGTTGCAGGCATCACTAACATCTGGGTCCAGTCATTC
AGGCAGTGACCTAGACACGTTGTCTGATCACCCAGACGT**ATAG**

ACGGTACGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001289432



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Insert Size:	1023 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001289432.1</u> , <u>NP_001276361.1</u>
RefSeq Size:	4217 bp
RefSeq ORF:	1023 bp
Locus ID:	217732
Cytogenetics:	12 D2
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (5) includes an additional internal exon and it thus differs in its 5' UTR and uses a downstream in-frame start codon, compared to variant 1. The encoded isoform (b) is shorter at the N-terminus, compared to isoform a. Variants 2, 4 and 5 all encode isoform b.</p>