

Product datasheet for **SC100488**

CIPC (NM_033426) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CIPC (NM_033426) Human Untagged Clone
Tag:	Tag Free
Symbol:	CIPC
Synonyms:	KIAA1737
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_033426, the custom clone sequence may differ by one or more nucleotides

ATGGAGAGGAAAAACCCATCCAGAGAGAGCCCCAGAAGACTCTCTGCCAAAGTAGGCAAAGGCACAGAGA
TGAAGAAAGTGGCTCGTCAGCTTGGGATGGCTGCTGCTGAGTCAGACAAGGACTCTGGCTTTTCAGATGG
GAGCTCGGAATGTCTGAGCTCTGCAGAGCAGATGGAGTCCGAGGACATGCTGAGCGCCTTAGGCTGGAGC
AGAGAAGACAGGCCGAGGCAGAACTCCAAACTGCAAAGAATGCCTTCCCTACCCTGTCTCCCATGGTCG
TCATGAAGAATGTGCTTGCAACAGGGCAGCAGCTCATCCCAGCTCCAGTCGTGGACTGTCCAGCCCTC
CTTTGAAGTGATCTCAGCACAGCCACAGCTCTTATTCCTTCATCCACCTGTACCATCTCCTGTCAGTCCA
TGTCACACTGGTGAGAAAAAGTCCGACTCCAGGAACACTTGCCATTCTGAATTCTTACACCAAAATAG
CCCCACATCCAGGCAAAAGGGGCCCTTCCCTTGGCCCAGAGAAAAAGGAACAAGTGGAGTGCAGAAAGAA
AATCTGTACTGAGAGACTTGGGCCTAGCTTGCTTCCAGTGAGCCAACCAAGGCTGGTGTGTGCCATCC
AGTCCCTCGACGCCAGCACACCACCGCCAACTTGCCGAGGACTCAGCTCTGCAGGGTGTGCCCTCTC
TGGTGGCAGGTGGAAGTCCACAGACTCTTCAGCCGGTATCCAGCAGTCACGTGGCTAAAGCTCCCAGTCT
GACCTTCGCTTCCCCGCCAGTCCTGTCTGCGCATCAGACAGCACTCTCCATGGGTAGAGAGCAACTCT
CCCCTTTCACCACTGTCCGCTAATTATAGCTCACCTTTATGGGCTGCAGAGCACCTCTGCCGCAGCCAG
ATATCTTTTCAGAGCAGCGGCAGAGCAACATAGGCGCTTTCAGAATACCCTAGTAGTCTACATAAATC
TGGTTTGCTGGAGTCACTTTGAAAACCAAGGAGTTGATTGTCGTCAGAATCAGGCAACTCAGGTAGAACTA
GACCAGCTAAAGGAGCAAAACCCAGCTGTTTATAGAAGCCACCAAGAGCAGGGCCCTCAGGCTTGGGCCA
AGCTGCAGGCATCTTTAACACCTGGGTCCAGTAATACAGGCAGTGACCTAGAAGCATTCTCTGATCACCC
AGCCATATAG



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_033426 unedited
 GGGGTCCATATTTTGTAAACGACTCACTATAGGGCGGCNCGCAATTCGAGAGGGAGA
 CACCCAGCGACGACGAGGTTGTCATGGTGCCGCGGGGCCGTGCTCGCGCATGCGCCACCT
 GACCCACAGGCCGGTCTGAGCTGCGACCCCGGCCCTAGGGCAGTCCAGATGAAAAGAG
 TACCAATGAATCTGCCTCCAGCTGAATAAACCATGGAGAGGAAAAACCCATCCAGAGAGA
 GCCCCAGAAGACTCTCTGCCAAAGTAGGCAAAGGCACAGAGATGAAGAAAGTGGCTCGTC
 AGCTTGGGATGGCTGCTGCTGAGTCAGACAAGGACTCTGGCTTTTCAGATGGGAGCTCGG
 AATGTCTGAGCTCTGCAGAGCAGATGGAGTCCGAGGACATGCTGAGCGCCTTAGGCTGGA
 GCAGAGAAGACAGGCCGAGGCAGAACTCCAAAAGTCAAAGAATGCCTTCCCTACCTGT
 CTCCCATGGTCTCATGAAGAATGTGCTTGTCAAACAGGGCAGCAGCTCATCCAGCTCC
 AGTCGTGGACTGTCCAGCCCTCCTTTGAAGTGATCTCAGCACAGCCACAGCTCTTATTCC
 TTCATCCACCTGTACCATCTCTGTGCTCAGTCCATGTCACACTGGTGAGAAAAAGTCCGACT
 CCAGGAAGTACTTGCCATTCTGAATTCTACACCAAAATAGCCCCACATTCAGGCAAAA
 GGGGCTTTCCCTTGGCCAGGAGAAAAAGGAACAAGTGGAGTGCAGAAGAAAATCTGTA
 CTGAGAGACTTGGGCTAGCTTGTCTTCCAGTGAGCCAACCAAGGCTGNTGCTNGTCCAT
 NCAGTCCCTTGACGCCAGCACCACCCAGCGCCAACTGNCGAAGACTCAGCTCTGCAGGG
 TGTGCCCTCTCTGGTGCAAGTGG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_033426 unedited
 ATGGACCGCGGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTCAAGTAAGT
 GACTTTTTATTTTCTCTGACATTTACAGTCAATTTCTGCAAACTTCATACTTTCTCAA
 AAAAAATTCATTTGCTAAATAAATTTCTACCCTAAAGAATTCATAGCTGAAAAACCACT
 TCAATATATGCACAAAAGTTACTTTTCTGCTAAAGGAACCATAGTAGAAAATAAAAAGTC
 AGACAATACTATAATCAATAAAAACCAATGAGTGTAAATAAATTACAAATGTCATTAAATT
 CCATTCCCATACCAATTGCAATCAGCAACTTTTCTATATATATTTCAATAATGCCAACAA
 AATCTGCCAAAAGTTCTCTTAAGGGTGTCTGAGCTAAAAATGGCTTCTCACCTTCAGA
 AAACAGCAGCTCTGCCACAGTACTTCATAGCCAATTACGTTATTCATCGCTAAAACCATC
 ACTACTTACAGCCTTGGGCAACCGATGGAGATCTTCTGGTCACCTCCGAGGTTCTCTCA
 TTTGCTGATCTGGCTTCTGGACTCAATGGATCTCTCCTTCCAAGATCTATCTTCTACT
 TGGGTTTCATCTGCTTACAGCTCCAACAGAGAACAATGCCCATGGTAATAGCCTGGAGAG
 ACTTCTAGCACTAAGTTACCAGATTAGAAAAGAGCTGAGAGTGGTGTCTGCTTCTCCCTGC
 CACTCAGCAGTTGAGATTGATAGTGGCTTTCATCATCCTTTACTGAAACAGGGAGGGAAA
 TTGCAGCCTTTNATCTANGAAGAAGAGTCCCNAGAGGCTTATAGCTNCACANAGGNTTTT
 TCCAATGGNATAATTTTGGGTCTCACCAGTGTTTTGAGATTTTGACCAGTAGACTCTGAC
 TGGTGCCAGATGTCTGATGCACTGTCTCTATGCTTGTGCAAACTATCTGCCAAAGAAGC
 TTCTAGCTGGTGCCAAT

Restriction Sites:

NotI-NotI

ACCN:

NM_033426

Insert Size:

4700 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: [NM_033426.2](#), [NP_219494.2](#)

RefSeq Size: 4397 bp

RefSeq ORF: 1200 bp

Locus ID: 85457

UniProt ID: [Q9C0C6](#)

Cytogenetics: 14q24.3

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. However, the physiological relevance of these observations is unsure, since experiments in an animal model showed that CIPC is not critically required for basic circadian clock.[UniProtKB/Swiss-Prot Function]