

Product datasheet for **RG206226**

CIPC (NM_033426) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	CIPC
Synonyms:	KIAA1737
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG206226 representing NM_033426
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCTGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGAGAGGAAAAACCATCCAGAGAGAGCCCCAGAAGACTCTCTGCCAAAGTAGGCAAAGGCACAGAGA
TGAAGAAAGTGGCTCGTCAGTTTGGGATGGCTGCTGCTGAGTCAGACAAGGACTCTGGCTTTTCAGATGG
GAGCTCGGAATGTCTGAGCTCTGCAGAGCAGATGGAGTCCGAGGACATGCTGAGCGCCTTAGGCTGGAGC
AGAGAAGACAGGCCGAGGCAGAACTCCAAACTGCAAAGAATGCCTTCCCTACCCTGTCTCCCATGGTCG
TCATGAAGAATGTGCTTGTCAAACAGGGCAGCAGCTCATCCAGCTCCAGTCTGGACTGTCCAGCCCTC
CTTTGAAGTGATCTCAGCACAGCCACAGCTCTTATTCCTTCATCCACCTGTACCATCTCCTGTCACTCCA
TGTCACACTGGTGAGAAAAAGTCCGACTCCAGGAAGTCTTGGCCATTCTGAATCTTACACCAAAATAG
CCCCACATCCAGGCAAAAGGGCCTTCCCTTGGCCAGAGAAAAAGGAACAAGTGGAGTGCAGAAAGAA
AATCTGTAAGTGAAGACTTGGGCTAGCTTGTCTTCCAGTGAAGCAACCAAGGCTGGTGTCTCCCATCC
AGTCCCTCGACGCCAGCACACCCAGCGCAAACTTGGCGAGGACTCAGCTCTGAGGGTGTGCCCTCTC
TGGTGGCAGGTGGAAGTCCACAGACTCTTCAGCCGGTATCCAGCAGTCACTGGCTAAAGCTCCAGTCT
GACCTTCGCTTCCCCGCCAGTCTGTCTGCGCATCAGACAGCACTCTCCATGGGTTAGAGAGCAACTCT
CCCCCTTTCACCACTGTCCGCTAATTATAGCTCACCTTTATGGGCTGCAGAGCACTCTGCCGAGCCAG
ATATCTTTTCAGAGCAGCGGCAGAGCAACATAGGCGCTTTTCAAGTACCTAGTAGCTCTACATAAATC
TGGTTTGCTGGAGATCACTTTGAAACCAAGGAGTTGATTCGTGAGATCAGGCAACTCAGGTAGAACTA
GACCAGCTAAAGGAGCAAAACCAAGTGTATAGAAGCCCAAGAGCAGGGCCCTCAGGCTTGGGCCA
AGCTGCAGGCATCTTAAACCTGGGTCCAGTAATACAGGCAGTGACCTAGAAGCATTCTCTGATCACCC
AGCCATA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >RG206226 representing NM_033426
Red=Cloning site Green=Tags(s)

MERKNPSRESPRRLSAKVGKGTEMKKVARQFGMAAAESDKDSGFSGDSSECLSSAEQMESEDMLSALGWS
REDRPRQNSKTAKNAFTLSMPVMKNVLVKQSSSSQLQSWTVQPSFEVISAQPQLLLHPPVPSPVSP
CHTGEKKSRSRNYLPILNSYTKIAPHGKRGSLGPEEKGTSGVQKKICTERLGPSSLSSSEPTKAGAVPS
SPSTPAPPSAKLAEDSALQGVPSLVAGGSPQTLQPVSSSHVAKAPSLTFASPSPVCASDSTLHGLESNS
PLSPLSANYSSPLWAAEHLCRSPDIFSEQRQSKHRRFQNTLVVLHKSGLLEITLKTKEIIRQNQATQVEL
DQLKEQTQLFIEATKSRAPQAWAKLQASLTPGSSNTGSDLEAFSDHPAI

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_033426

ORF Size: 1197 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:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22µm filter is required.

RefSeq: NM_033426.1

RefSeq Size: 4397 bp

RefSeq ORF: 1200 bp

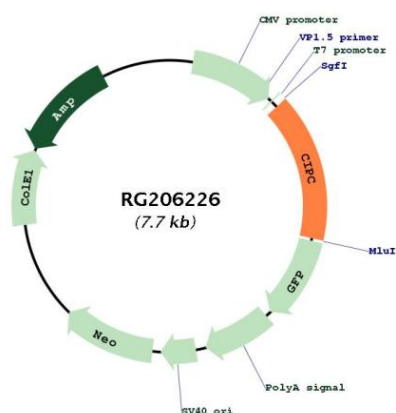
Locus ID: 85457

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]

Product images:



Circular map for RG206226