

Product datasheet for **SC122302**

Nocturnin (NOCT) (BC077723) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nocturnin (NOCT) (BC077723) Human Untagged Clone
Tag:	Tag Free
Symbol:	Nocturnin
Synonyms:	CCR4 carbon catabolite repression 4-like; CCR4 carbon catabolite repression 4-like (S. cerevisiae); CCR4-like (carbon catabolite repression 4, S.cerevisiae); CCR4L; MGC78549; MGC142054; MGC142060; MGC4120817; NOC; nocturnin
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene sequence for BC077723 edited
 GGCACGAGGAGCGGTGTTGCACCTCCCTCTCCGGCTCTGCTGCCCGGATTTCCCAGAA
 CCTGCGCCGCGGAGAAGGAGCCTGGGAGCATCCGCCACACTGCCCGGACAGTCGGCTC
 GACTCGGTGCTCTCGGCCCCAGCCGGCTCCGCTCTCGGGCGCGGAGGGGCCGTGGT
 GCGGGCGCGCCCGCATGTTTCATAGTCCGCGCGGCTCTGCTCGGCCCTGCTGCAGAGG
 GACGCGCCCGGCTGCGCCGCTGCCCGCCAGGGCTGCGCCGCCGTTGTCCCAGCCG
 GCTGCTGTTCCCAGGCCGCATCCCCCGGCTGCTGGCGCGGCTCGGCCGCTCGGGC
 GCCGCGAGGTCTGTTCCCGAACAGTGTTCATGGGAACCGGTACAAGCAGACTCTAT
 AGTGCTCTCGCCAAGACTGAACAGCAGCGCTGCCTCCAGCACCCAGAGTATTTGGTG
 TCACCTGACCCAGAGCATCTGGAGCCATTGATCCTAAAGAGTCTTTGAGGAATGCAGG
 GCCGCTCTGCACACCCGACCTCCCGGTTCCAGAGGGATTTTGTGGATCTGAGGACAGAT
 TGCCCTAGTACCCACCCACCTATCAGGGTTATGCAATGGAACATCCTCGCCCAAGGTATG
 CTGGATGCTTTTGTGCTCTGCAGTCAAGTTTGTGTGACTGCCTTTCTGCTTCTGCACA
 TCCACAGTGCAGTGTATGTGGAAGGAAGAGGTGTGGGCAGATGGAGGTGACTGCAGC
 AGCATGGAGAGCTCTAGAAGAGGTTAAGACAGGAATCATCTGGTTTTCACTTTTTTTT
 TTTTTTAGAAAAGAAAAAGACACTTTAATTGTTCTTGGATAGTCTACAAACATGGAAGGT
 GTAAGAATAAACACAGGTTACTTGTCTTAATTGTAACCAAGTCAAGTGCAGTGGC
 TCACACCTGTAATCCCAGCACTTTGGGAGGCCGAGGTGGGTGGATCACCTGTGGTCAGGA
 GTTCGAGACCAGCCTGACCAACATGGAGAAACCCGTTTCTACTAAAAATACAAAATTAG
 CCGGGTGTGGTGGCGCATGCCTGTAATCCCAGCTACTCGGGAGGCTGAGGCAGGAGAATC
 GCTTGAACCCAGAAAGTGGTGGTGCAGTGAGCTGAGATTGCGCCATTGCACTGTTGCT
 AGGCTGGAGTACAGTGGCTGATCTCGGCTCACTGCAAGATCCGCTCCCGGTTTCATGG
 CATTCTCTGCTCAGCCTCCAGAGCACTGGGACAACAGGCCGCCGTCACCAGCCAG
 CTAATTTTTGTATTTTTAGTAGAGACGGGTTTTACCGTGTTAGCCAGGATGGTCTCGA
 TCTCTGACCTTGAATCAACAAGTCTTAACAGGAATGTTTCAGGAAACAAATAGGATA
 AGACAATGCCAGGAAGGATAGAAACATGGGAAGTTTCTATCATTTTCTGCGTT
 TCCAGCATGCCCTTGGAAAAGACTCCCTTTAGTCCCTTTTTCAATTAACCTATGGTGA
 AAAAGCGTTTGCCTCCAAAAA

5' Read Nucleotide Sequence: >OriGene 5' read for BC077723 unedited
 AGATAGCGTCGAATTTGTATACGACTCATATAGGGCGCGCGAATTCGCACGAGGAGCG
 GTGTTGCACCTCCCTCTCCGGCTCTGCTGCCCGGATTTCCCAGAACCTGCGCCGCGCG
 AGAAGGAGCCTGGGAGCATCCGCCACACTGCCCGGACAGTCGGCTCGACTCGGTGCTCT
 CGGCCCCAGCCGGCTCCGCTCCTCGGGCGCGGAGGGCCGTGGTGGCGGCGCGCCCG
 GCATGTTTCATAGTCCGCGCGGCTCTGCTCGGCCCTGCTGCAGAGGGACGCGCCCGCC
 TGCGCCGCTGCCCGCCAGGGCTGCGCCGCCGTTGTCCCAGCCGCTGCTGTTCCCA
 GGCCCGCATCCCCCGGCTGCTGGCGGCGGCTCGGGCGGCTCGGGCGCCGAGGTCGT
 GTTCCCGAACAGTGTGTTCCATGGGAACCGGTACAAGCAGACTCTATAGTCTCTGCCA
 AGACACTGAACAGCAGCGCTGCCTCCCAGCACCCAGAGTATTTGGTGTACCTGACCCAG
 AGCATCTGGAGCCATTGATCCTAAAGAGCTTCTTGAGGAATGCAGGGCGTCTGCACA
 CCCGACCTCCCCGGTCCAGAGGGATTTTGTGGATCTGAGGACAGATTGCCCTAGTACCC
 ACCCACCTATCAGGGTTATGCAATGGAACATCCTCGCCCAAGTATGCTGGATGCTTTTGT
 GCCTCTGCAGTCAAGTTTGTGTGACTGCCTTTCTGCTTCTGCACATCCACAGTGCAGT
 TTTTATGTGGAAGGAAGAGGTGTGGGCAGATGGGAGTACTGCACCAGCATGGAGAGTCT
 CTAGAAGATTAAGACAGGAATCATCTGGTTTTCACTTTTTTTTTTTTTAGAAA

Restriction Sites: Please inquire
ACCN: BC077723
Insert Size: 1597 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:	<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:	BC077723.1 , AAH77723.1
RefSeq Size:	1588 bp
Locus ID:	25819
Cytogenetics:	4q31.1
Gene Summary:	The protein encoded by this gene is highly similar to Nocturnin, a gene identified as a circadian clock regulated gene in <i>Xenopus laevis</i> . This protein and Nocturnin protein share similarity with the C-terminal domain of a yeast transcription factor, carbon catabolite repression 4 (CCR4). The mRNA abundance of a similar gene in mouse has been shown to exhibit circadian rhythmicity, which suggests a role for this protein in clock function or as a circadian clock effector. [provided by RefSeq, Jul 2008]