

Product datasheet for **SC303928**

Nocturnin (NOCT) (NM_012118) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nocturnin (NOCT) (NM_012118) Human Untagged Clone
Tag:	Tag Free
Symbol:	Nocturnin
Synonyms:	Ccr4c; CCR4L; CCRN4L; NOC
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_012118 edited GACAGTCGGCTCGACTCGGTGCCCTCGGCCCGAGCCGGGCTCCGCTCCTCGGGCGCGCGA GGGGCCGTGGTGGCGGCGGCGCCCGGCATGTTTCATAGTCCGCGGCGGCTCTGCTCGGCC CTGCTGCAGAGGGACGCGCCCGGCTGCGCCGCCTGCCCGCCCGAGGGCTGCGCCGCCCG TTGTCCCCGCGGCTGCTGTTCCAGGCCCGCATCCCCCGGCTGCTGGCGGCGGCTCG GCGGCCTCGGGCGCGCGAGGTGCTGTTCCGAACAGTGTGTTCCATGGGAACCGGTACA AGCAGACTCTATAGTCTCTCGCCAAGACACTGAACAGCAGCGCTGCCTCCAGCACCCA GAGTATTTGGTGTACCTGACCCAGAGCATCTGGAGCCATTGATCCTAAAGAGTTCTT GAGGAATGCAGGGCCGCTCTGCACACCCGACCTCCCCGGTTCCAGAGGGATTTTGTGGAT CTGAGGACAGATTGCCCTAGTACCCACCCACCTATCAGGGTTATGCAATGGAACATCCTC GCCCAAGCTCTTGAGAAGGCAAAGACAACCTTTGTACAGTGCCCTGTTGAAGCACTCAA TGGGAAGAAAGGAAATGTCTCATCTGGAAGAAATCCTGGCCTACCAGCCTGATATATTG TGCTTCCAAGAGGTGGACCACTATTTTGACACCTTCCAGCCACTCCTCAGTAGACTAGGC TATCAAGGCACGTTTTTCCCCAAACCCTGGTCACCTTGTCTAGATGTAGAACAACAAT GGACCAGATGGTGTGCTTATTTTTTCTTCAAAACCGATTCAAGCTAGTCAACAGTGCC AATATTAGGCTGACAGCCATGACATTGAAAACCAACAGGTGGCCATTGCACAGACCCTG GAGTGCAAGGAGTCAGGCCGACAGTTCTGCATCGCTGTTACCCATCTAAAAGCACGCACT GGCTGGGAGCGGTTTCGATCAGCTCAAGGCTGTGACCTCCTTCAGAACCTGCAAAACATC ACCCAAGGAGCCAAGATTCCCCTTATTGTGTGTGGGACTTCAATGCAGAGCCAACAGAA GAGGTCTACAAACACTTTGCTTCTCCAGCCTCAACCTGAACAGCGCCTACAAGCTGCTG AGTGCTGATGGGCACTCAGAACCCCATACACTACCTGGAAGATCCGGACCTCAGGGGAG TGCAGGCACACCCTGGATTACATCTGGTATTCTAAACATGCTCTAAATGTAAGGTGAGCT CTCGATCTGCTCACTGAAGAACAGATTGGACCAACAGGTTACCTTCCTTCAATTATCCT TCAGACCACCTGTCTCTAGTGTGTGACTTCAGCTTTACTGAGGAATCTGATGGACTTTCA TAAATACTTGCTTTTGTCTTTTAAATCACAGGAGTCTATTTTTTTTTTTTTTTTTTTTT TTTTTGAGACAGAGTCTCGCTCTGTTGCCTAGGCTG



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Restriction Sites:	Please inquire
ACCN:	NM_012118
Insert Size:	1500 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:	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_012118.2.
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:	<u>NM_012118.2</u> , <u>NP_036250.2</u>
RefSeq Size:	1971 bp
RefSeq ORF:	1296 bp
Locus ID:	25819
UniProt ID:	<u>Q9UK39</u>
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]