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Product datasheet for MC226767

Ccnc (NM_001290422) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ccnc (NM_001290422) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ccnc
Synonyms:	AI451004; AU020987; CG1C
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

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>MC226767 representing NM_001290422
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCAGGGAACTTCTGGCAGAGCTCCCACTATTTGCAGTGGATTTTGGATAAACAAGATCTGTTGAAAG
AGCGCCAAAAGGACCTAAAGTTTCTCTCAGAAGAGGAGTATTGGAAGTTACAAATATTTTTTACAAATGT
TATCCAAGCATTAGGTGAACATCTTAAATTAAGACAACAAGTTATTGCTACTGCTACAGTCTATTTCAAG
AGATTCTATGCTAGGTATTCTCTGAAAAGTATAGATCCTGTATTAATGGCGCCTACATGTGTGTTTCTGG
CATCCAAAGTAGAGGAATTTGGTGTTGTCTCAAATACAAGATTGATTGCTGCTACTACTTCTGTATTAAA
AACTAGATTTTCATATGCTTTTCCAAAGGAATTTCCTTACAGGATGAATCATATACTAGAATGTGAATTT
TACCTCTTAGAATTAATGGACTGTTGCTTGATAGTGTATCATCCTTATAGACCTTTGCTCCAGTATGTGC
AGGACATGGGCCAGGAAGACGTGCTGCTTCCCCTTGCATGGAGGATAGTGAATGATACCTACAGGACGGA
TCTCTGTCTGCTGTACCCTCCGTTCATGATCGCTTTAGCTTGCCTACATGTAGCCTGTGTCGTACAACAG
AAAGATGCTAGACAGTGGTTTGCAGAACTTTCTGTGGATATGGAGAAGATTTTGGAAATAATCAGGGTTA
TTTTAAAACTGTATGAGCAGTGGAAGAATTTTGATGAGAGAAAAGAGATGGCAACTATTCTTAGTAAGAT
GCCGAAACCAAAACCACCTCCAAACAGAAGCTCCCTGAGTGACTCTCCACTAATGGCAGGGCCTGAAGCT
GCAAGATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
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Restriction Sites:	SgfI-MluI
ACCN:	NM_001290422
Insert Size:	849 bp

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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:	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_001290422.1, NP_001277351.1
RefSeq Size:	3485 bp
RefSeq ORF:	849 bp
Locus ID:	51813
UniProt ID:	Q62447
Cytogenetics:	4 A3
Gene Summary:	Component of the Mediator complex, a coactivator involved in regulated gene transcription of nearly all RNA polymerase II-dependent genes. Mediator functions as a bridge to convey information from gene-specific regulatory proteins to the basal RNA polymerase II transcription machinery. Mediator is recruited to promoters by direct interactions with regulatory proteins and serves as a scaffold for the assembly of a functional preinitiation complex with RNA polymerase II and the general transcription factors. Binds to and activates cyclin-dependent kinase CDK8 that phosphorylates the CTD (C-terminal domain) of the large subunit of RNA polymerase II (RNAp II), which may inhibit the formation of a transcription initiation complex (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (4) contains an alternate exon in the 3' coding region, compared to variant 1. Variants 2 and 4 encode the same isoform (2), which is shorter by an amino acid and has a distinct C-terminus, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.

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