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Product datasheet for MR218028

Ccnc (NM_001122982) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ccnc (NM_001122982) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ccnc
Synonyms:	AI451004; AU020987; CG1C
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR218028 representing NM_001122982
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTGTGTTTCTGGCATCCAAAGTAGAGGAATTTGGTGTTGTCTCAAATACAAGATTGATTGCTGCTACT
ACTTCTTAAAAACTAGATTTTCATATGCTTTTCCAAAGGAATTTCCTTACAGGATGAATCATATACTAGA
ATGTGAATTTTACCTCTTAGAATTAATGGACTGTTGCTTGATAGTGTATCATCCTTATAGACCTTTGCTC
CAGTATGTGCAGGACATGGGCCAGGAAGACGTGCTGCTTCCCCTTGCATGGAGGATAGTGAATGATACCT
ACAGGACGGATCTCTGTCTGCTGTACCCTCCGTTCATGATCGCTTTAGCTTGCCTACATGTAGCCTGTGT
CGTACAACAGAAAGATGCTAGACAGTGGTTTGCAGAACTTTCTGTGGATATGGAGAAGATTTTGGAAATA
ATCAGGGTTATTTTAAAACTGTATGAGCAGTGGAAGAATTTTGATGAGAGAAAAGAGATGGCAACTATTC
TTAGTAAGATGCCGAAACCAAAACCACCTCCAAACAGAAGCTCCCTGAGTGACTCTCCACTAATGGCAGG
GCCTGAAGCTGCAAGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR218028 representing NM_001122982
Red=Cloning site Green=Tags(s)

MCVSGIQSRGIWCCLKYKIDCCYYFLKTRFSYAFPKEFPYRMNHILECEFYLLELMDCCLIVYHPYRPLL
QYVQDMGQEDVLLPLAWRIVNDTYRTDLCLLYPPFMIALACLHVACVVQQKDARQWFAELSVDMEKILEI
IRVILKLYEQWKNFDERKEMATILSKMPKPKPPPNRSSLSDSPLMAGPEAAR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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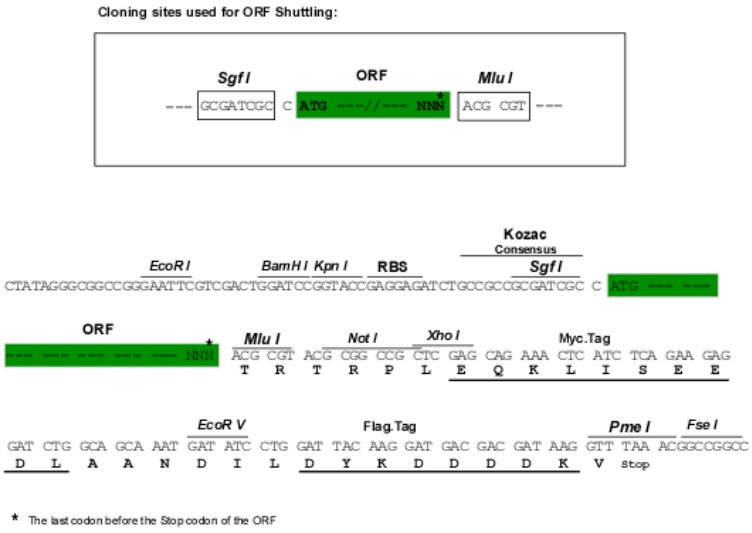
Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001122982

ORF Size: 576 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.

RefSeq Size: 1471 bp

RefSeq ORF: 849 bp

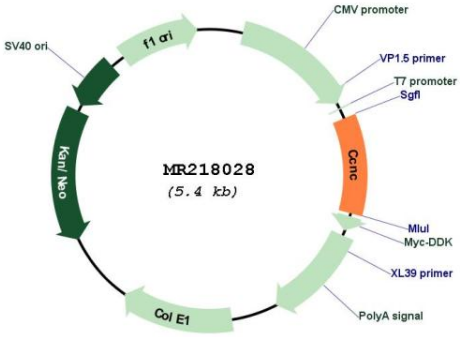
Locus ID: 51813

Cytogenetics: 4 A3

MW: 33.6 kDa

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]

Product images:



Circular map for MR218028