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Product datasheet for MR228893

Ccnc (NM_001290420) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ccnc (NM_001290420) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ccnc
Synonyms:	AI451004; AU020987; CG1C
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR228893 representing NM_001290420 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGCAGGGAACTTCTGGCAGAGCTCCCACTATTTGCAGTGGATTTTGGATAAACAAGATCTGTTGAAAG AGCGCCAAAAGGACCTAAAGTTTCTCTCAGAAGAGGAGTATTGGAAGTTACAAATATTTTTTACAAATGT TATCCAAGCATTAGGTGAACATCTTAAATTAAGACAACAAGTTATTGCTACTGCTACAGTCTATTTCAAG AGATTCTATGCTAGGTATTCTCTGAAAAGTATAGATCCTGTATTAATGGCGCCTACATGTGTGTTTCTGG CATCCAAAGTAGAGGAATTTGGTGTTGTCTCAAATACAAGATTGATTGCTGCTACTACTTCTGTATTAAA AACTAGATTTTCATATGCTTTTCCAAAGGAATTTCCTTACAGGATGAATCATATACTAGAATGTGAATTT TACCTCTTAGAATTAATGGACTGTTGCTTGATAGTGTATCATCCTTATAGACCTTTGCTCCAGTATGTGC AGGACATGGGCCAGGAAGACGTGCTGCTTCCCCTTGCATGGAGGATAGTGAATGATACCTACAGGACGGA TCTCTGTCTGCTGTACCCTCCGTTCATGATCGCTTTAGCTTGCCTACATGTAGCCTGTGTCGTACAACAG AAAGATGCTAGACAGTGGTTTGCAGAACTTTCTGTGGATATGGAGAAGATTTTGGAAATAATCAGGGTTA TTTTAAAACTGTATGAGCAGTGGAAGAATTTTGATGAGAGAAAAGAGATGGCAACTATTCTTAGTAAGAT GCCGAAACCAAAACCACCTCCAAACAGC ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA

View online »

Protein Sequence:

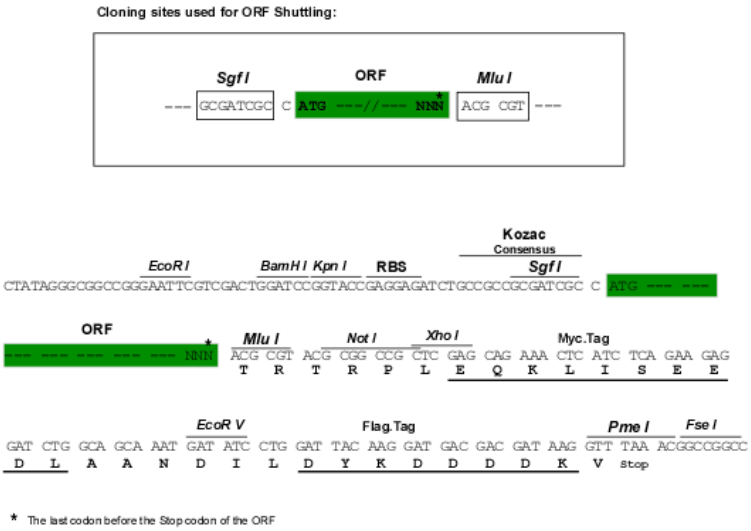
>MR228893 representing NM_001290420
Red=Cloning site Green=Tags(s)

MAGNFWQSSHYLQWILDKQDLLKERQKDLKFLSEEEYWKLQIFFTNVIQALGEHLKLRQQVIATATVYFK
RFYARYSLKSIDPVLMAPTCVFLASKVEEFGVVSNTRLIAATTSVLKTRFSYAFPKEFPYRMNHILECEF
YLLELMDCCLIVYHPYRPLLQYVQDMGQEDVLLPLAWRIVNDTYRTDLCLLYPPFMIALACLHVACVVQQ
KDARQWFAELSVDMEKILEIIRVILKLYEQWKNFDERKEMATILSKMPKPKPPPNS

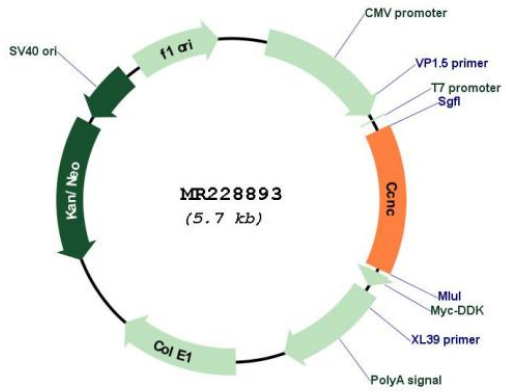
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001290420

ORF Size: 798 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:	NM_001290420.1, NP_001277349.1
RefSeq Size:	1500 bp
RefSeq ORF:	801 bp
Locus ID:	51813
Cytogenetics:	4 A3
MW:	32 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]