

Product datasheet for **MG216530**

Ccnc (NM_016746) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ccnc (NM_016746) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ccnc
Synonyms:	AI451004; AU020987; CG1C
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG216530 representing NM_016746 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGGGAACCTCTGGCAGAGCTCCCACTATTTGCAGTGGATTTTGGATAAACAAGATCTGTTGAAAG
AGCGCCAAAAGGACCTAAAGTTTCTCTCAGAAGAGGAGTATTGGAAGTTACAAATATTTTTACAAATGT
TATCCAAGCATTAGGTGAACATCTAAATTAAGACAACAAGTTATTGCTACTGCTACAGTCTATTTCAAG
AGATTCTATGCTAGGTATTCTCTGAAAAGTATAGATCCTGTATTAATGGCGCCTACATGTGTGTTCTGG
CATCCAAAGTAGAGGAATTTGGTGTGTCTCAAATACAAGATTGATTGCTGCTACTACTTCTGTATTA
AACTAGATTTTCATATGCTTTTCCAAAGGAATTCCTTACAGGATGAATCATATACTAGAATGTGAATTT
TACCTCTTAGAATTAATGGACTGTTGCTTGATAGTGTATCATCCTTATAGACCTTTGCTCCAGTATGTGC
AGGACATGGGCCAGGAAGACGTGCTGCTTCCCCTTGCATGGAGGATAGTGAATGATACCTACAGGACGGA
TCTCTGTCTGCTGTACCCCTCCGTTTCATGATCGCTTTAGCTTGCCCTACATGTAGCCTGTGTCGTACAACAG
AAAGATGCTAGACAGTGGTTTGCAGAATTTCTGTGGATATGGAGAAGATTTTGGAAATAATCAGGGTTA
TTTTAAACTGTATGAGCAGTGAAGAATTTTGTGATGAGAGAAAAGAGATGGCAACTATTCCTAGTAAAGAT
GCCGAAACCAAACACCTCCAAACAGTGAAGGTGAGCAGGGTCCAAATGGAAGTCAGAACTCTAGCTAC
AGCCAATCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG216530 representing NM_016746
Red=Cloning site Green=Tags(s)

MAGNFWQSSHYLQWILDKQDLLKERQKDLKFLSEEEYWKLQIFFTNVIQALGEHLKLRQQVIATATVYFK
 RFYARYSLKSIDPVLMAPTCVFLASKVEEFGVVSNTRLIAATTSVLKTRFSYAFPKEFPYRMNHILECEF
 YLLELMDCCCLIVYHPYRPLLQYVQDMGQEDVLLPLAWRIVNDTYRTDLCLLYPPFMIALACLHVACVVQQ
 KDARQWFAELSVDMEKILEIIRVILKLYEQWKNFDERKEMATILSKMPKPKPPPNSEGEQGPNGSQNSSY
 SQS

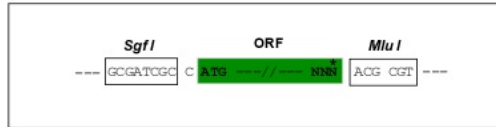
TRTRPLE - GFP Tag - V

Restriction Sites:

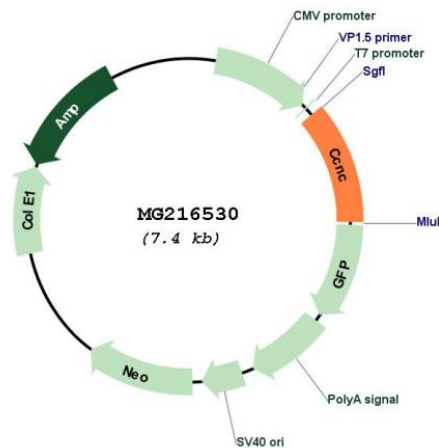
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_016746

ORF Size: 849 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:	<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:	NM_016746.4
RefSeq Size:	3405 bp
RefSeq ORF:	852 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]