CCNC cDNA Clone – Cyclin C (Human)

PRODUCT OVERVIEW

Product Name	CCNC, cDNA Clone
Full Product Name	CCNC cDNA Clone
Product Gene Name	CCNC cdna clone
Sequence	atggcaggga actttggca gagctcccac tatttgcaat ggattttgga taaacaagat ctgttgaagg agcgccaaaa ggatttaaag tttctctcag aggaagaata ttggaagtta caaatatttt ttacaaatgt tatccaagca ttaggtgaac atcttaaatt aagacaacaa gttattgcca ctgctacggt atatttcaag agattctatg ccaggtattc tctgaaaagt atagatcctg tattaatggc tcctacatgt gtgtttttgg catccaaagt agaggaattt ggagtagttt caaatacaag attgattgct gctgctactt ctgtattaaa aactagattt tcatatgcct ttccaaagga atttccttat aggatgaatc atatattaga atgtgaattc tatctgttag aactaatgga ttgttgcttg atagtgtatc atccttatag acctttgctc cagtatgtgc aggacatggg ccaagaagac atgttgcttc cccttgcatg gaggatagtg aatgatacct acagaacgga tctttgccta ctgtatcctc ctttcatgat agctttagct tgcctacatg tagcctgtgt tgtacagcag aaagatgcca ggcaatggtt tgctgagctt tctgtggata tggaaaagat tttggaaata atcagggtta ttttaaaact atatgagcag tggaagaatt tcgatgagag aaaagagatg gcaaccattc ttagtaagat gccaaaacca aaaccacctc caaacagtga aggagagcag ggtccaaatg gaagtcagaa ctctagctac agccaatctt aa
Molecular Weight	22,945 Da
OMIM	123838
Vector	pENTR223.1
Clone Sequence Report	Provided with product shipment
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for CCNC cdna clone	MBS1274321 is a cDNA clone targeting CCNC.
Other Notes	Small volumes of CCNC cdna clone vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CCNC. It may not necessarily be applicable to this product.

NCBI GI #	33440496
NCBI GeneID	892
NCBI Accession #	BC056153
UniProt Secondary Accession #	Q9H543; B4DPZ1
UniProt Related Accession #	P24863
NCBI Official Full Name	Homo sapiens cyclin C, mRNA
NCBI Official Synonym Full Names	cyclin C
NCBI Official Symbol	CCNC
NCBI Official Synonym Symbols	CycC
UniProt Protein Name	Cyclin-C
UniProt Synonym Protein Names	SRB11 homolog; hSRB11
UniProt Gene Name	CCNC

UniProt Synonym Gene Names	hSRB11
UniProt Entry Name	CCNC_HUMAN
NCBI Protein Information	cyclin-C
NCBI Summary for CCNC	The protein encoded by this gene is a member of the cyclin family of proteins. The encoded protein interacts with cyclin-dependent kinase 8 and induces the phophorylation of the carboxy-terminal domain of the large subunit of RNA polymerase II. The level of mRNAs for this gene peaks in the G1 phase of the cell cycle. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
UniProt Comments for CCNC	CCNC: 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. Belongs to the cyclin family. Cyclin C subfamily. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Cell cycle regulation Chromosomal Location of Human Ortholog: 6q21 Cellular Component: cyclin-dependent protein kinase holoenzyme complex; nucleoplasm; nucleus Molecular Function: cyclin-dependent protein kinase regulator activity; protein binding; protein serine/threonine kinase activity Biological Process: positive regulation of cyclin-dependent protein kinase activity; positive regulation of transcription from RNA polymerase II promoter; transcription initiation from RNA polymerase II promoter
Research Articles on CCNC	**1.** our results suggest that mTORC1 activation in NAFLD and insulin resistance results in down-regulation of the CDK8-CycC complex and elevation of lipogenic protein expression.
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