

Product datasheet for **SC123591**

CDC40 (BC018059) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CDC40 (BC018059) Human Untagged Clone
Tag:	Tag Free
Symbol:	CDC40
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for BC018059 edited
AGAGGATTTGTTGCCGTCATGTCGGCTGCGATTGCAGCTCGGCCGCTTCTATGGTTCCG
GGTTTCAGGGTCCGAATCGGACTCGGACAGTGAGAGCAGTCGGTGTCCGCTGCCAGCCGCC
GACTCCCTCATGCACTTGACTAAATCGCCTTCATCAAAGCCGCTCTAGCAGTGGCAGTG
GACTCGGCTCCGGAGGTGGCAGTTAAGGAAGATTTGGAGACTGGAGTTCACCTTGACCCT
GCCGTCAAAGAAGTTTCAGTATAATCCTACCTATGAGACCATGTTTGCTCCTGAGTTTGG
CCAGAAAATCCCTTTAGGACACAGCAAAATGGCTGCCCTAGAAAATAGCTTTCTGGATAT
GCCGAACCAGCTCATATCAATGATTTTCATGTTTGAGCAGCAAAGGAGAAGCTTTTGCAACA
TATGGTTATGCATTAGACCCCTTCATTAGATAATCATCAAGTGTCTGCTAAATATATTGGT
TCTGTAGAAGAAGCTGAAAAAATCAAGGTTTAACTGTATTTGAACTGGTCAGAAGAAA
ACAGAAAAGAGGAAAAAGTTTAAAGAAAATGATGCATCCAATATTGATGGTTTTTTGGGA
CCATGGGCAAAATATGTGGATGAAAAAGATGTAGCCAAACCTTCAGAAGAAGAGCAAAAA
GAATTGGATGAAATCACAGCAAAGAGGCAGAAAAAGGAAAACAGGAAGAAGAGAAAACCT
GGGGAGGAGAAGACAATCTTACATGTTAAAGAAAATGTATGACTATCAAGGCAGGTCCTAT
CTTCACATACCTCAGGATGTTGGTGTAACTACGGTCAACTATGCCACCTGAGAAGTGT
TATCTTCCAAAAACAATTCATGTGTGGTCTGGACACACAAAGGGCGTCAGTGCAGTC
AGATTGTTTCTCTCTCTGGCCATTTATTGCTGTCTTGTCCATGGACTGAAAAATTAAG
CTATGGGAGGTTTATGGAGAACGGCGCTGTCTGAGAACATTTATTGGTCACAGTAAGGCT
GTTAGGGATATCTGCTTCAACTGCAGGAACACAGTTCCTCAGTGCAGCCTATGACAGG
TATCTTAAGCTCTGGGACACTGAGACAGGACAGTGTATATCAAGATTTACAAACCGAAAA
GTACCTTATTGTGTCAAATTCCTGATGAAGATAAGCAAAATCTCTTTGTGGCTGGG
ATGTCTGATAAGAAGATTGTGCAATGGGACATTCGAAGTGGAGAAATTGTGCAGGAATAT
GATCGGCATTTGGGAGCTGTCAACACCATTGTTTTTTGTGGATGAGAATAGGAGATTTGTG
AGCACATCTGATGATAAAAGCCTAAGAGTTTGGGAATGGGATATCCCTGTGGATTTCAAG
TACATAGCAGAACCCAGTATGCACTCAATGCCTGCAAGTACTTTGTCTCAAATGAAAA
TGGCTAGCATGCCAATCAATGGACAACCAAATCTTAATTTTGGAGCACAGAACAGATTT
AGATTAATAAGAAAAAATTTTAAAGGGCCATATGGTAGCAGGCTATGCTTGTGAGGTG
GACTTTTACCAGACATGAGAGTCCCTCAGAGCTTTCAGAATCTGAAGGAGGTGACTGCA
GGTCCCCAGGAGGGTGAGGAGGATGGCAAGTGGGTGAAGGTCCAGACCTCAACTCAAGA
GCAGCTCCCTTTGATCTCCTTGACATTTGGAATCCCTCAGAAATTTGCATTTGGGAAAA
GAGCTCTCCTGCTTAAAAAATATGAAAGCCTCTATAAATAATTTATTCTTAACAGCTT
TTGTAATGATTTAATTTAATTAATCAGTCTCCTTCTGGTGGCCATATAGATTTTCCAA
AATGGATGATTTACAACTGATGTTATCAACAACTGGGCAACTAAGTTTGTGTGTGTG
TTCTGTCAATTTGTAACAGAAATTCTGAAAAGAAGTGTGTAACGAAAAAAAAAAAAA
A
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5' Read Nucleotide Sequence:	>OriGene 5' read for BC018059 unedited GTCAAATTTGTATACGACTCACTATAGGCGGCCGCATAACTTCGTATAGCATACATTATA CGAAGTTATGGATCAGGCCAAATCGGCCGAGCTCGAATTCGTGAGAGCGGAGAGGATTT GTTGCCGTGATGTCGGCTGCGATTGCAGCTCTGGCCGCTTCTATGGTTCGGGTTTCAGGG TCCGAATCGGACTCGGACAGTGAGAGCAGTCGGTGTCCGCTGCCAGCCGCCGACTCCCTC ATGCACCTTGACTAAATCGCCTTCATCAAAGCCGCTCTAGCAGTGGCAGTGGACTCGGCT CCGGAGGTGGCAGTTAAGGAAGATTTGGAGACTGGAGTTACCTTGACCCTGCCGTCAA GAAGTTCAGTATAATCCTACCTATGAGACCATGTTTGTCTGAGTTTGGACCAGAAAAT CCCTTTAGGACACAGCAAATGGCTGCCCTAGAAAATATGCTTTCTGGATATGCCGAACCA GCTCATATCAATGATTTTCATGTTTGGAGCAGCAAAGGAGAACTTTTGAACATATGGTTAT GCATTAGACCCTTCATTAGATAATCATCAAGTGTCTGCTAAATATATTGGTTCTGTAGAA GAAGCTGANAAAAATCAAGGTTTAACTGTATTTGAAACTGGTCAGAAGAAAACAGAAANAG AGGAAAAAGTTTAAAGAAATGATGCATCCAATATTGATGGTTTTTGGGACCATGGGCA AAATATGTGGATAAAAAGATGTAGCCAAACCTTTGAAAGAGAGCANNAGAATTGGATG ANATCACAGCANAGAGGCAGAAAAAAGAAAACAGGNAGAAGAGAAACCTGNGGAGGAGGA GACATCNTACATGNTANNAGAATGTATGACTATCAAGGCNGGTCCCTATCTCCATACCTC AGGATGTTGGTGGTAATCTACCGTCAACTATGA
Restriction Sites:	Please inquire
ACCN:	BC018059
Insert Size:	1981 bp
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).
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:	BC018059.1
RefSeq Size:	1981 bp
Locus ID:	51362
Cytogenetics:	6q21
Protein Pathways:	Spliceosome

Gene Summary:

Pre-mRNA splicing occurs in two sequential transesterification steps. The protein encoded by this gene is found to be essential for the catalytic step II in pre-mRNA splicing process. It is found in the spliceosome, and contains seven WD repeats, which function in protein-protein interactions. This protein has a sequence similarity to yeast Prp17 protein, which functions in two different cellular processes: pre-mRNA splicing and cell cycle progression. It suggests that this protein may play a role in cell cycle progression. [provided by RefSeq, Jul 2008]