

Product datasheet for **SC119337**

CDC20 (NM_001255) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CDC20 (NM_001255) Human Untagged Clone
Tag:	Tag Free
Symbol:	CDC20
Synonyms:	bA276H19.3; CDC20A; p55CDC
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene ORF within SC119337 sequence for NM_001255 edited (data generated by NextGen Sequencing)

```

ATGGCACAGTTTCGCGTTCGAGAGTGACCTGCACTCGCTGCTTCAGCTGGATGCACCCATC
CCCAATGCACCCCTGCGCGCTGGCAGCGCAAAGCCAAGGAAGCCGAGGCCCGGCCCC
TCACCCATGCGGGCCCAACCGATCCCACAGCGCCGGCAGGACTCCGGGCCGAACCTCT
GGCAAATCCAGTTCCTCAAGTTTCCAGACCCTCTAGCAAACCTGGCGGTGACCGCTATATC
CCCCATCGCAGTGTGCCAGATGGAGGTGGCCAGCTTCTCCTGAGCAAGGAGAACCAG
CCTGAAAACAGCCAGACGCCCAAGGAAGCAATCAGAAAGCCTGGGCTTTGAACCTG
AACGGTTTTGATGTAGAGGAAGCCAAGATCCTTCGGCTCAGTGGAAAACCAAAAATGCG
CCAGAGGGTTATCAGAACAGACTGAAAGTACTCTACAGCCAAAAGGCCACTCCTGGCTCC
AGCCGGAAGACTGCCGTTACATTCCTTCCTGCCAGACCGTATCCTGGATGCGCCTGAA
ATCCGAAATGACTATTACCTGAACCTTGTGGATTGGAGTCTGGGAATGTACTGGCCGTG
GCACTGGACAACAGTGTGTACCTGTGGAGTGAAGCTCTGGTGACATCCTGCAGTTTTG
CAAATGGAGCAGCTGGGAATATATATCCTCTGTGGCCTGGATCAAAGAGGGCAACTAC
TTGGCTGTGGCACCAGCAGTGTGAGGTGCAAGCTATGGGATGTGCAGCAGCAGAAACGG
CTTCGAAATATGACCAGTCACTCTGCCAGTGGGCTCCCTAAGCTGGAACAGCTATATC
CTGTCCAGTGGTTCACGTTCTGGCCACATCCACCACCATGATGTTTCGGGTAGCAGAACAC
CATGTGGCCACACTGAGTGGCCACAGCCAGGAAGTGTGTGGGCTGCGCTGGGCCCCAGAT
GGACGACATTTGGCCAGTGGTGGTAATGATAAATTGGTCAATGTGTGGCCTAGTGCTCCT
GGAGAGGGTGGCTGGGTTCTCTGCAGACATTCACCCAGCATCAAGGGCTGTCAAGGCC
GTAGCATGGTGTCCCTGGCAGTCCAATGTCTGGCAACAGGAGGGGGCACCAGTGATCGA
CACATTCGCATCTGGAATGTGTGCTCTGGGGCTGTCTGAGTGCCGTGGATGCCATTCC
CAGGTGTGCTCCATCCTCTGGTCTCCCCATTACAAGGAGCTCATCTCAGGCCATGGCTTT
GCACAGAACAGCTAGTTATTTGGAAGTACCCAACCATGGCCAAGTGGCTGAACTCAAA
GGTCACACATCCCGGTCTGAGTCTGACCATGAGCCAGATGGGGCCACAGTGGCATCC
GCAGCAGCAGATGAGACCCTGAGGCTATGGCGTGTGTTTGGATTGGACCCTGCGCGGCGG
CGGGAGCGGGAGAAGGCCAGTGCAGCCAAAAGCAGCCTCATCCCAAGGCATCCGCTGA
    
```

Clone variation with respect to NM_001255.2

5' Read Nucleotide Sequence:

```

>OriGene 5' read for NM_001255 unedited
NGTCAACATTTGTATACGACTCACTATAGGCGGCCGCAATTCGCACGAGGCTGATTTTG
TGGCCGGCCAGAGCGAAGGGTCCCTTTCTGTCCCTGAGCACCGTCGCTCCTTTCTCC
GGGCTCCGTAGGCACCAACTGCAAGGACCCCTCCCCCTGCGGGCGCTCCCATGGCACAGT
TCGCGTTCGAGAGTGACCTGCACTCGTCTCAGCTGGATGCACCCATCCCAATGCAC
CCCCTGCGCGCTGGCAGCGCAAAGCCAAGGAAGCCGAGGCCCGGCCCTCACCATGC
GGGCGCCAACCGATCCCACAGCGCCGGCAGGACTCCGGGCCAACTCCTGGCAAATCCA
GTTCCAAGGTTTACAGACCTCCTAGCAAACCTGGCGGTGACCGCTATATCCCCATCGCA
GTGCTGCCAGATGGAGGTGGCCAGCTTCTCCTGAGCAAGGAGAACCAGCCTGAAAACA
GCCAGACGCCACCAAGAAGGAACATCAGAAAGCCTGGGCTTTGAACCTGAACGGTTTTG
ATGTAGAGGAAGCCAAGATCCTTCGGCTCAGTGGAAAACCAAAAATGCGCCAGAGGGTT
ATCAGAACAGACTGAAAGTACTCTACAGCCAAAAGGCCACTCCTGGCTCCAGCCGGAAGA
CCTGCCGTTACATTCCTTCCTGCCAGACCGTATCCTGGATGCGCCTGAAATCCGAAATG
ACTATTACCTGAACCTTGTGGNATTGGAGTTCNTGGGAATGTACTGGCCGTGGCACTGG
ACAACAGTGTGTACCTGTGGAGTGAAGCTCTGGTGACATCCTGCAGTTTTGCAATGGA
GCAGCCTGGGGATATATATNCTCTGTGGCTGGATCAAAGAGGGNCACTACTTGTGTGG
CACCANNCAAGTGTGAGTGCACATATGGGAAGTG
    
```

3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_001255 unedited NTTTTGCTCTGGACCGCGCGCCGAATCTAGNGATCGGTTTTTTTTTTTTTTTTTTAA AAAAAACATGAAGGGAGACATGACTTTATTAGAAAAAAAACAACAGGATGATGGG TTGGTCTTCAGCGGATGCCTTGGTGGATGAGGCTGCTTTGGCTGCACTGGCCTTCTCCC GCTCCCGCCGCGCAGGGTCCAACAAAACAGCGCCATAGCCTCAGGGTCTCATCTG CTGCTGCGGATGCCACTGTGGCCCATCTGGGCTCATGGTCAGACTCAGGACCCGGGATG TGTGACCTTTGAGTTCAGCCACCTTGCCATGGTTGGTACTTCCAATAACTAGCTGGT TCTGTGCAAAGCCATGGCCTGAGATGAGCTCCTTGAATGGGGAGACCAGAGGATGGAGC ACACCTGGGAATGGGCATCCACGGCACTCAGACAGGCCCCAGAGCACACATTCCAGATGC GAATGTGTCGATCACTGGTGCCCTCCTGTTGCCAGGACATTGGACTGCCAGGGACACC ATGCTACGGCCTTGACAGCCCCTTGATGCTGGGTGAATGTCTGCAGAGGAACCCAGCCAC CCTCTCCAGGAGCACTAGGCCACACATTGACCAAGTTATCATTACCACCACTGGCCAAAT GTCGTCCATCTGGGGCCAGCGCAGCCACACACTTCTGNNCTGTGNGCCACTCAGTGT GGCCACATGGNTGTTCTGCTACCCGACATCATGGTGGNTGGGATGTGGCCAGACGTGAA CCACTGGACAGATATTAGCTGNTCCAGCTTAGGNAGCCCACTCGNCAGAGTGACTGGTN CATATTNNAAGCCGTTCTGCTGCTGCACATCCATAGCTGCACCTAGCACTTGTCTGGT GCCACAGNNCAGTAGTGCCTTCTGGATCCAGCACAGAGGTATATATATTCCA</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_001255
Insert Size:	960 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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_001255.1 , NP_001246.1
RefSeq Size:	1686 bp

RefSeq ORF:	1500 bp
Locus ID:	991
UniProt ID:	<u>Q12834</u>
Cytogenetics:	1p34.2
Domains:	WD40
Protein Families:	Druggable Genome
Protein Pathways:	Cell cycle, Oocyte meiosis, Ubiquitin mediated proteolysis
Gene Summary:	CDC20 appears to act as a regulatory protein interacting with several other proteins at multiple points in the cell cycle. It is required for two microtubule-dependent processes, nuclear movement prior to anaphase and chromosome separation. [provided by RefSeq, Jul 2008]