

Product datasheet for **SC320629**

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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_001255.2
 GAGGCGTAAGCCAGGCGTGTAAAGCCGGTCGGAAGTCTCCGGAGGGCACGGGCTCCGT
 AGGCACCAACTGCAAGGACCCCTCCCCCTGCGGGCGCTCCCATGGCACAGTTCGCGTTTCG
 AGAGTGACCTGCACTCGCTGCTTACAGCTGGATGCACCCATCCCCAATGCACCCCTGCGC
 GCTGGCAGCGCAAAGCCAAGGAAGCCGAGGCCCGGCCCTCACCCATGCGGGCCGCCA
 ACCGATCCCACAGCGCCGGCAGGACTCCGGGCCGAAGTCTGGCAATCCAGTTCGAAGG
 TTCAGACCACTCTAGCAAACCTGGCGGTGACCGCTATATCCCCCATCGCAGTGTGCC
 AGATGGAGGTGGCCAGCTTCTCCTGAGCAAGGAGAACCAGCCTGAAAACAGCCAGACGC
 CCACCAAGAAGGAACATCAGAAAGCCTGGGCTTTGAACCTGAACGTTTTGATGTAGAGG
 AAGCCAAGATCCTTCGGCTCAGTGGAAAACCACAAAATGCGCCAGAGGTTATCAGAACA
 GACTGAAAGTACTCTACAGCCAAAAGGCCACTCCTGGCTCCAGCCGGAAGACCTGCCGTT
 ACATTCCTTCCCTGCCAGACCGTATCCTGGATGCGCCTGAAATCCGAAATGACTATTACC
 TGAACCTTGTGGATTGGAGTTCTGGGAATGTACTGGCCGTGGCACTGGACAACAGTGTGT
 ACCTGTGGAGTGAAGCTCTGGTGACATCCTGCAGCTTTTGCAAATGGAGCAGCCTGGG
 AATATATATCCTCTGTGGCCTGGATCAAAGAGGGCAACTACTTGGCTGTGGGCACCAGCA
 GTGCTGAGGTGCAGCTATGGGATGTGCAGCAGCAGAAACGGCTTCGAAATATGACCAGTC
 ACTCTGCCCGAGTGGGCTCCCTAAGCTGGAACAGCTATATCCTGTCCAGTGGTTCACGTT
 CTGGCCACATCCACCACCATGATGTTCCGGTAGCAGAACACCATGTGGCCACACTGAGTG
 GCCACAGCCAGGAAGTGTGTGGGCTGCGCTGGGCCCCAGATGGACGACATTTGGCCAGTG
 GTGGTAATGATAACTTGGTCAATGTGTGGCCTAGTGCTCCTGGAGAGGGTGGCTGGGTTT
 CTCTGCAGACATTCACCCAGCATCAAGGGGCTGTCAAGGCCGTAGCATGGTGTCCCTGGC
 AGTCCAATGTCTGGCAACAGGAGGGGGCACCAGTGATCGACACATTCGCATCTGGAATG
 TGTGCTCTGGGGCCTGTCTGAGTGCCGTGGATGCCATTCCCAGGTGTGCTCCATCCTCT
 GGTCTCCCATTACAAGGAGCTCATCTCAGGCCATGGCTTTGCACAGAACCAGTGTGTTA
 TTTGGAAGTACCCAACCATGGCCAAGGTGGCTGAACTCAAAGGTACACATCCCGGGTCC
 TGAGTCTGACCATGAGCCAGATGGGGCCACAGTGGCATCCGCAGCAGCAGATGAGACCC
 TGAGGCTATGGCGCTGTTTTGAGTTGGACCCTGCGCGGCGGGAGCGGGAGAAGGCCA
 GTGCAGCCAAAAGCAGCCTCATCCACCAAGGCATCCGCTGAAGACCAACCCATCACCTCA
 GTTGTTTTTTATTTTTCTAATAAAGTCATGTCTCCCTTCATGTTTTTTTTTAAAAAAA
 AAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_001255

OTI Disclaimer: 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.

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 TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_001255.2 , NP_001246.2
RefSeq Size:	1697 bp
RefSeq ORF:	1500 bp
Locus ID:	991
UniProt ID:	Q12834
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]