

## Product datasheet for **MC200038**

### Cdc20 (NM\_023223) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Cdc20 (NM\_023223) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Cdc20  
**Synonyms:** 2310042N09Rik; C87100; p55CDC  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC003215 sequence for NM\_023223  
 GCGTTCGGCAGGGCACAGACGCGCTGCGAGGAGCTGGGGTTTTGTGTTCCGGGAGAGCTGAGTACGGAGA  
 GGGACCGGGCTGCTGCGAGCTGTGGCAGGCGGAGCCCAGGAGCCGGCGAGGATCGCGCTTGGTCGCCTT  
 TCGCCCCGGTAGCGGTGCCATGGCGCAGTTCGTGTTTCGAGAGCGATTTGCACTACTGCTTCAACTGGAC  
 GCACCCATCCCCAATGCCCGGTTGCGCGCTGGCAGCGCAAAGCAAAGGAAGCCACAGGCCACGCCCT  
 CGCCATGCGGGCCGCAACAGATCACACAGCGCGGGCGGACCCGGGCGAACTCCTGGCAAATCTAG  
 TTCCAAGTTTACAGACCACCCTAGCAAACCTGGAGGTGACCGCTTATCCCCAACGCAGTGCTTCTCAA  
 ATGGAGGTGGCCAGCTTCTCTTAAGCAAGGAAAACCAGCCGGAAGACAGGGGGACGCCACCAAAAAGG  
 AGCATCAGAAAGCCTGGTCTCTCAACCTGAACGGTTTTGATGTGGAGGAAGCCAAGATCCTCAGGCTCAG  
 CGCAAACCTCAGAATGCCCCAGAAGGCTACCAGAACAGACTGAAAGTACTGTACAGTCAGAAAGCCACG  
 CCTGGCTCCAGCAGGAAGACTTGCAGATACATCCCTTCTCTGCCAGACAGGATCCTTGATGCCCCGAAA  
 TCCGGAATGACTACTACCTGAATCTTGTAGATTGGAGCTCTGGAATGTATTGGCTGTGGCACTGGACAA  
 CAGTGTGTACTTATGGAACGCTGGTTCTGGTGACATCCTGCAGTTGTTGCAAATGGAGCAGCCTGGAGAC  
 TACATATCCTCGGTGGCCTGGATCAAGGAGGGCAACTACCTAGCTGTAGGCACCAGCAATGCTGAGGTCC  
 AGCTCTGGGATGTGCAGCAGCAGAAACGACTTCGAAACATGACCAGTCACTCCGCTCGAGTAAGCTCCCT  
 CAGTTGGAACAGCTATATCCTATCCAGTGGTTCACGGTCTGGCCACATCCACCACCATGATGTTCCGGTA  
 GCAGAACACCATGTGGCCACACTGAGTGCCATAGCCAGGAAGTATGTGGGCTTCGCTGGGCCCCAGATG  
 GACGACATCTGGCAAGTGGTGGCAATGATAACATTGTCAACGTGTGGCCTAGTGGTCTCCGGAGAAAGTG  
 ATGGGCTCCCCTGCAAACATTCCTCAACATCAAGGCGCTGTCAAGGCTGTGGCATGGTGTCCCTGGCAG  
 TCCAATATCCTGGCAACAGGAGGAGGAACAGTGACCGGCACATTCGCATTTGGAACGCTGCTCAGGGG  
 CCTGTCTGAGTGCTGTGGATGTGCATTCCAGGTGTGCTCCATCCTCTGGTCTCCCCACTATAAGGAGCT  
 GATCTCAGGTCACGGCTTGGCCAGAACCAGCTGGTTATTTGGAAGTATCCAACCATGGCCAAGGTGGCT  
 GAGCTCAAAGGACACACGGCACGGGCTCCTGGTCTTACAATGAGTCCAGATGGGGCCACAGTGGCATCAG  
 CAGCAGCTGATGAGACTTACGGTTGTGGCGCTGCTTTGAGATGGACCCTGCCCTTCGGCGTGAGCGGGA  
 AAAAGCCAGTGTAGCTAAAAGTAGCCTCATCCACCAAGGCATCCGTTGAACAAACGCATTTCTTTCTTG  
 TTTTTATTTATTTTTTCTAATAAAGTTCGTATCTTCTTAAAAAAAAAAAAA



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<b>Restriction Sites:</b>	RsrII-NotI
<b>ACCN:</b>	NM_023223
<b>Insert Size:</b>	1500 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC003215</a> , <a href="#">AAH03215</a>
<b>RefSeq Size:</b>	1733 bp
<b>RefSeq ORF:</b>	1500 bp
<b>Locus ID:</b>	107995
<b>UniProt ID:</b>	<a href="#">Q9J166</a>
<b>Cytogenetics:</b>	4 D2.1
<b>Gene Summary:</b>	Required for full ubiquitin ligase activity of the anaphase promoting complex/cyclosome (APC/C) and may confer substrate specificity upon the complex. Is regulated by MAD2L1: in metaphase the MAD2L1-CDC20-APC/C ternary complex is inactive and in anaphase the CDC20-APC/C binary complex is active in degrading substrates. The CDC20-APC/C complex positively regulates the formation of synaptic vesicle clustering at active zone to the presynaptic membrane in postmitotic neurons. CDC20-APC/C-induced degradation of NEUROD2 induces presynaptic differentiation.[UniProtKB/Swiss-Prot Function]