

## Product datasheet for **RN210016**

### **Mcm2 (NM\_001107873) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Mcm2 (NM_001107873) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Mcm2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN210016 representing NM\_001107873  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCGGAGTCTTCTGAGTCCTTCTCGGCAGCATCTAGCCCTGCCCTCAGCGGCACGGATCAGTGATC  
 CCCTCACTTCCAGCCCAGGCCGACGCTCCAGACGTGCTGACGCTTACCTCCAGCCCTGGCAGAGACCT  
 CCCCCATTTGAGGATGAGTCCGAGGGGCTGCTGGGCACGGAGGGGCTGTGGAGGAAGAAGAGGATGGA  
 GAGGAACCTATTGGTGATGGCATGGAGAGAGACTACCGTCCCATTCCCGAGCTCGATGTCTACGAGGCAG  
 AGGGATTGGCCCTGGATGATGAAGATGTGGAGGAGCTGACAGCCAGTCAGAGGGAGGCAGCTGAGCGGGC  
 TATGAGGCAGCGGGACCGTGAGGCTGGCAGAGGCCTGGTTCGATGCGTCGTGGGCTGCTGTATGACAGC  
 GACGAAGAAGATGAGGAGCGCCCTGCCGTAAGCGCCGCCACATAGAGCGTGCCACAGAGGATGGCGAGG  
 AGGATGAAGAGATGATTGAGAGTATTGAGAACCTGGAGGACCTCAAGGGCCACTCGGTGCGAGAGTGGGT  
 GAGCATGGCAGGGCCAGACTGGAGATCCACCACCGTTTCAAGAACTTCTGCGCACCCAGCTGGACAGC  
 CATGGCCACAACGTCTTCAAGGAGCGTATCAGTGATATGTGCAAAGAGAACCAGGGAGAGTTTGGTGGTAA  
 ATTATGAAGACCTGGCAGCCCGGAACATGTGTTGGCATACTTCTACCCGAGGCACCCGCTGAGCTGCT  
 GCAGATCTTCGATGAGGCTGCCCTGGAGGTTGTGCTGGCCATGTACCCTAAATATGACCGCATCACCAAC  
 CACATTCACGTGCGCATCTCCACCTGCCTCTGGTGGAGGAGCTGCGTTCAGTGGAGGCAGCTACACCTGA  
 ACCAGCTCATCCGTACCAGCGGTGTGGTGACAGCTGCACTGGAGTCTGCCAGCTCAGCATGGTCAA  
 GTATAACTGTAGCAAGTGCAACTTTATACTGGGGCCTTTCTGCCAGTCTCAGAACCAGGAGGTGAAGCCT  
 GGTTCTGCCCTGAGTGCCAGTCAACTGGGCCCTTTGAGATCAACATGGAGGAGACCATCTATCAGA  
 ACCAAGGATCCGCATCCAGGAGAGTCCCGGCAAGGTGGCAGCTGGCCGGCTGCCCGTTCCAAGGATGC  
 CATCCTCCTTGCTGATCTGGTGGACAGCTGCAAGCCAGGAGACGAGATAGAGCTGACCGGATTTACCAC  
 AATAATTATGATGGCTCACTTAACACCACCAACGGCTTTCCCGTCTTCGCCACCATCATCTGGCCAACC  
 ACGTTGCCAAGAAGGACAACAAAGTGGCGTGGGTGAGCTCACTGATGAGGACGTGAAGATGATCACCGAG  
 TCTTTCCAAGGATCAGCAAAATCGGAGAGAAGATCTTTGCCAGCATTGCGCCCTCCATCTATGGGCATGAA  
 GACATCAAGAGAGGCCTGGCTCTGGCTCTGTTTGGAGGGGAGCCCAAGAACCAGGTGGAAGCACAAGG  
 TTCGAGGTGACATCAATGTGCTCCTGTGTTGGGACCCCTGGCACAGCGAAGTCCAGTTCTCAAATACAT  
 CGAAGAAATCTAGCCGTGCCATTTTACCACCGGCCAGGTGCGTCAGCCGTGGTCTCACAGCGTAT  
 GTTCAGCGGCATCTGTACGAGAGAGTGGACCTTAGAGGCTGGAGCCCTGGTTCTGGCCGACCGGGGAG  
 TGTGTCTCATTGATGAGTTTGACAAGATGAATGACCAGGACAGGACCAGCATCCACGAGGCCATGGAGCA  
 GCAAAGCATCTCCATCTCCAAGGCCGGCATCGTTACCTCACTGCAAGCCCGCTGCACCGTATAGCTGCT  
 GCCAACCCATAGGAGGCCGCTACGACCCTTCACTGACCTTCTCAGAGAAATGTAGACCTCACAGAGCCCA  
 TCATTTCCCGCTTTGATGTCTGTGTGGTGGAGGACACTGTTGATCCTGTTCCAGGATGAGATGCTGGC  
 CCGCTTTGTGGTGGCAGCCACGTGACACACCACCCAGCAACAAGAAGGACGAAGGGCTGACCAACGGT  
 GGCACCACAGAGCCAGCCATGCCAACACATACGGTGTGGAGCCCTGCCTCAGGAGGTCTGAAGAAGT  
 ATATCATCTATGCCAAGGAACGGTCCGCCAAAGCTCAACCAGATGGACCAGGACAAAGTGGCCAGGAT  
 GTACAGCGACCTGAGGAAGGAGTCCATGGCAACGGGCGAGTATCCCATCACAGTGGCAGACATCGAGTCC  
 ATGATCCGCATGGCAGAGGCCCATGCACGCATGCACCTGCGAGACTACGTGATGGAAGATGATGTAACA  
 TGGCCATCCGCGTGATGCTGGAGAGCTTATTGACACCCAAAAGTTCAAGTGTATGCGCAGCATGGC  
 GACTTTTGCCCGGTATCTCTCCTTCCGTGGGATAACAATGACCTGCTGCTTTCATACTGAAGCAGTTG  
 GTGGCTGAGCAGGTGACATACCAACGTAACCGCTTTGGGGCCCAACAGGACACCATCGAAATACCTGAGA  
 AGGACCTGATGGACAAGGCCAGGCAGATCAATATCCACAACCTGTCCGCCTTCTACGACAGCGACCTCTT  
 CAAAATCAACAAGTTCAGCCGTGACCTGAAACGCAAGCTGATCTACAGCAGTTC**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI  
 ACCN: NM\_001107873

<b>Insert Size:</b>	2718 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>	<u><a href="#">NM_001107873.2</a></u> , <u><a href="#">NP_001101343.2</a></u>
<b>RefSeq Size:</b>	3261 bp
<b>RefSeq ORF:</b>	2718 bp
<b>Locus ID:</b>	312538
<b>Cytogenetics:</b>	4q34