

## Product datasheet for **RN217229**

### **Mcm3 (NM\_001191805) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Mcm3 (NM_001191805) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Mcm3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN217229 representing NM\_001191805  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCGGGTACCGTAGTGTGCTGGACGACGTGGAGCTGCGGAAGCGCAGAGAGACTACTTGGACTTCTGG  
 ACGACGAGGAAGACCAAGGAATTTACCAGAATAAAGTTTCGGGAGCTGATCAGTGACAACCAAGTATCGGCT  
 GATTGTCAATGTGAATGACCTGCGCAGGAAAAATGAAAAGAGGGCTAACCGCCTCCTGAACAATGCTTTC  
 GAGGAGCTGGTTGCCTCCAGCGGGCCTTGAAGGATTTTCGTGGCCTCCATTGACGCTACCTATGCCAAGC  
 AGTACGAGGAGTTCTACATAGGCCTAGAGGGCAGCTTCGGCTCAAAGCACGTCTCTCCCCGACTCTCAC  
 TTCCTGCTTCTTAGCTGTGTGGTCTGCGTGGAAGGCATCGTTACCAAATGCTCTCTGGTTCGCCCCAAG  
 GTCGTTCCGACGCTTCACTACTGCTGCTACTAAGAAGACCATAGAGCGGGCTACTCTGACCTCACCA  
 CCCTGGTGGCTTCCCATCCAGTCTGTTTATCCACAAAAGGATGAGGAGAACAACCCCTGGAGACAGA  
 GTATGGCTTGTCTGTCTACAAGGACCACCAGACCATACCATCCAGGAGATGCCGGAGAAGCCCCAGCC  
 GGTCAGCTTCTCGATCTGTGGATGTCATTCTAGATGATGATCTGGTAGATAAAGTGAAACCTGGTGACA  
 GAATCCAGGTGGTTGGGACCTACCGCTGCCTCCAGGAAAGAAGGGTGGCTACACCTCGGGGACCTTCAG  
 GACCGTCTGATCGCCTGCAACGTGAAGCAGATGAGCAAGGACATTCAGCCTGCGTTCTCTGCGACGAT  
 ATAGCAAAGATCAAGAAGTTCAGCAAAACCCGTTCCAAGGATGCTTTGAGCAGTTGGCCCGATCGTTAG  
 CCCCTAGCATCCATGGGCATGACTATGTCAAGAAAAGCAATCCTCTGCTTGGCTCTGGGAGGGGTGGAACG  
 GGAAGTGAAGACGGCAGCCACATCCGTGGAGATATCAATATTCTCTAATAGGTGACCCATCAGTCGCC  
 AAGTCCCAGCTTCTGCGGTATGTGCTTTGCACCGCACCCAGGGCCATTCCCACCAGGGTCGGGGCTCGT  
 CTGGAGTGGGTCTCACAGCAGCCGTACCACAGACCAGGAAACCGGGGAGCGCCGCTGGAAGCTGGTGC  
 ATGGTCTGGCTGACCGAGGAGTGGTTTGCATCGATGAGTTTCGACAAGATGTCGGACATGGACCGCACA  
 GCCATCCATGAGGTGATGGAGCAGGGTAGAGTGACGATCGCGAAGGCTGGCATCCATGCCCGCTCAATG  
 CCCGTTGCAAGTGTGGCAGCTGCCAATCCAGTCTATGGCAGGTATGACCAGTATAAGACACCTATGGA  
 GAACATTGGGCTGCAGGACTCACTGCTGTCTCGGTTTGACCTGCTTTCATCATGCTGGATCAGATGGAT  
 CCTGAACAGGACCGGAGATCTCAGACCAGTCTTAGGATGCACCAATACAGGGCCCCGGGGAGCAGG  
 ACGGTGACGCTTGGCGTTGGGTAGTTCAGTGGATATCCTGGCCACAGACGATCCCGACTTACCAGGA  
 TGACCAGCAAGATACCCGATTTATGAGAAGCATGACAACCTTCTACATGGTCCAAGAAGAAAAGGGAG  
 AAGATGGTGGAGCGCAGCTTTCATGAAGAAGTACATCCACGTGGCCAAAATTTAAACCGACCCCTGACGC  
 AGGAGTCCGACAGCTACATTGCAGAAGAATACTCTCGCCTGCGCAGCCAGGACAGCATGAGCTCAGACAC  
 TGCCCGGACATCTCCGGTTACAGCACGGACACTGGAAACTCTGATTTCGACTGGCCACGGCCCATGGGAAG  
 GCCCGTATGAGCAAGACTGTGGACCTGCAAGATGCGGAGGAAGCTGTGGAAGTGGTGCAGTATGCTTATT  
 TCAAGAAGGTTCTGAAAAGGAGAAGAAACGTAAGAAGCCAAGTGAAGTGAATCAGACCTGGAGGATGA  
 AGAGGAGAAGAGCCAGGAGGAGGACACTGAGCAGACTCGGAAGAGGAGGAAGACTCAAGCCAAGGATGGG  
 GAGTCTATGACCCTTATGACTTCAGTGAAGCAGAGAGGGAAATGCCTCAAGTGCACACCCCGAAGACCG  
 ACGACTCTAAGAGAAGACAGATGAGTCTCAGGAGACCCAGGAGTCCCAGAAAGTGGAGCTGAGTGAATC  
 CAGGCTGAAGGCTTTTAAAGGCGCTCTTTAGAAGTGTTCAGGAGGCTCACGCGCAGTCTGTGGGATG  
 ATCCACCTCACGGAATCCATCAATCGGAATAAAGAAGAACCCTTCTCTCAGAGGAAATCCAGGCCCTCAC  
 TGAGCCGGATGCAGGACGATAACCAGGTATGGTGTCTGAGGGCATCGTCTTCTTATCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001191805  
**Insert Size:** 2442 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>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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>NM_001191805.2, NP_001178734.2</u>
<b>RefSeq Size:</b>	2932 bp
<b>RefSeq ORF:</b>	2442 bp
<b>Locus ID:</b>	316273
<b>Cytogenetics:</b>	9q13