

Product datasheet for **RN202053**

Mcm6 (NM_017287) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mcm6 (NM_017287) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Mcm6
Synonyms:	Mcmd6
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN202053 representing NM_017287
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGACCTCGCAGCGGCTGCGGAGCCCGGTGCGGGAAGCCAGCACCCGGAGGTGCGCGATGAGGTGGCCG
 AGAAATGTCAGAAGCTGTTCTAGACTTCTGGAAGATTCCAGGGTAGCGATGGAGAAATTAATACTT
 GCAGTTCGCAGAGGAGCTGATTCGTCCTGAGAGAAACACACTGGTTGTGAGTTTTGCAGACCTGGAACAA
 TTTAACCAACAACCTTTCTACCACCATTAGGAAGATTCTACAGAGTCTACCCCTACCTGTGTCGAGCCT
 TGAAGACCTTTGTCAAAGACCGAAAGGAGATCCCTTTTGTAAGGATTTTTATGTTGCGTCCAAGACCT
 ACCCACTAGACACAAGATTTCGTGAGTCACTTCTCCAGGATCGGGTACTCACTCGCATCAGTGGCGAG
 GTGGTGCACACTACCCAGTGCACCCGAGCTTGTGAGTGGGACTTTCCTGTGCCTCGACTGCCAAACAG
 TGATCAAGGACGTAGAGCAGCAGTTCAAATACACACAGCCGAGCATCTGCCGCAATCCAGTATGCCCAA
 CAGGAAGAGGTTCTTCTAGACACCAATAAATCGAGATTCGTTGATTTTCAAAGGTTTCGATTTCAAGAG
 ACTCAAGCGGAGCTTCCCGGGGAAGCATCCCCGGGATTTGGAGGTTGCCTGAGGGCCGAAGCCGTGG
 AGTCAGCCAGGCTGGTGACAGGTGTGACTTCACGGGGACGCTGATTGTTGTGCCGGACGCTCCAAGCT
 TAGCACACCAGGAGCACGTGCGGAGACCACTCCCGAGTCAGTGGCGCTGACGGGTATGAGACAGAAGGC
 ATCCGAGGGCTCCGAGCCCTGGGTGTGAGAGACCTGTCATACAGGCTGGTCTTCCCTTGCCTGCTATGTTG
 CACCAACCAACCCACGATTTGGAGGGAAGAAGCTCAGAGATGAGGAGCAGACAGCTGAGAGCATTAAAGAA
 CCAATGACGGTGAAGGAATGGGAAAAGGTGTTGAAATGAGTCAGGACAAAAACCTGTACCACAATCTC
 TGCACCTAGCCTCTTCCCTACGATCCACGGCAATGATGAAGTAAAACGTGGCGCTTTGCTGATGCTGTTCCG
 GTGGCTTCCCAAGACAACAGGGGAAGGAACCTCTTTCGTGGGATATAAATGTTTGCATTGTTGGGGA
 TCCAAGTACAGCTAAGAGCCAGTTTCTCAAGCATGTGGATGAGTTCAGTCCCAGAGCTGTGTATACCAAGT
 GGCAAGGCCTCCAGTGCTGCCGGCTTGACAGCAGCTGTGGTGAGAGATGAGGAATCTCACAGTTTTGTCA
 TCGAGGCTGGAGCGTTGATGCTGGCTGATAACGGTGTCTGTTGCATTGATGAGTTTGATAAGATGGACAT
 GCGGGACCAAGTTGCTATTACAGAACTATGGAGCAGCAGACCATATCTATCACTAAAGCCGGAGTGAAG
 GCAACTCTGAATGCCAGGACATCCATTTAGTGCAGCAAACCTGTGAGCGGACACTACGACAGGTCAA
 AATCTCTGAAACAGAATCAATCTGTCAGCGCCCATCATGTCCCGCTTTGACCTCTTCTCATTGTTGGT
 GGATGAGTGAATGAGGTGACAGATTATGCTATTGCCAGGCGCATAGTAGACTTGCAATCGAGGATCGAA
 GAATCGATAGACCGGTTTATCCCTTGTGATATAAGAAGGTATCTTCTTCCGCCGACAGTTTAAGC
 CCAAGATTTCAAAGAGTCAGAGGACTTCAATTGTGGAGCAGTACAACCGCTCCGCCAGAGGGATGGCTC
 TGGGATACCAAGTCGTGTTGAGAAATCACTGTGAGACAGCTTGAGAGCATGATCCGACTCTCAGAAATCG
 ATGGCCCGCATGCACTGTGTGATGAGGTCCAGCCTAAACATGTGAAGGAAGCTTTTCGATTACTGAATA
 AATCGATCATCCGTGTAGAAACCGCTGACGTCAATCTAGATCAAGAGGAAGAGATCCAGATGGAGACGGA
 TGAGGGACAGGAGGCATCAATGGTCATGCTGACAGCCCTGCCCTGTGAACGGGTTCAATGGCTCTGGT
 GAAGATGCCAGTCAGGAGACCGTTCCCAAGCCCTCCCTTAGGCTGGGCTTTGCTGAATACTGCCGAATCT
 CTAACCTCATCGTCTTACCTCAGGAAAATGGAAGAAGAGGAGGATGAGTCAGCCCTAAAGAGGAGCGA
 GCTGGTCAACTGGTACCTGAAGGAAATCGAGTCGGAAATCGACTCTGAAGAAGAGCTCATAAATAAGAAG
 AGGATCATAGAGAAGGTTGTTTCATCGTCTCACACACTACGATCAGTTCGATTGAGCTACCCAGGCTG
 GACTGAAAGGCTCCAGTGAAGGAAGCGAGAGCTATGAGGAAGATCCTTACCTGGTGTAGTCAACCCGAAC
 TTTGCTTGAAGAT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_017287
Insert Size: 2466 bp

OTI Disclaimer:	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).
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_017287.1 , NP_058983.1
RefSeq Size:	2929 bp
RefSeq ORF:	2466 bp
Locus ID:	29685
Cytogenetics:	13q13
Gene Summary:	belongs to a family of early S-phase proteins required for DNA replication; may play a role in cell-cycle progression and DNA replication [RGD, Feb 2006]