

## Product datasheet for **MC201757**

### **Mcmbp (NM\_145955) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Mcmbp (NM_145955) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mcmbp
Synonyms:	1110007A13Rik; AU017382; BC025641; MCM-BP
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC025641 sequence for NM\_145955  
 CCACGCGTCCGCGGACGCGTGGGAGTGGAGGCTAGGACGGTCTCCCCCACCCTCCGGCCGCTGGCCA  
 GCAGCTCCGAGGCGCTCGTGCCCGTACCAGCAGCCACCTCTCCTTGAGACGCGCGGAGGCCCGTGGCTCG  
 CGACGCCCCGCGCGTGGGAGGGCGCGGACGAGGAGCGGCCGAGCCCCGAGAAGCCGGGCTCCGAGCGC  
 GCTCGGCCCGCAGAGGAGCGCCCGCCGACGGGCCGCGCTGGCCCCGGCCCTCAGCGCCATGCCCTGTGG  
 AGAAGATTGGCTGAGCCACCCGCTCGGGATCGTGCAAGGCTTCTCGCACAAAATGGAGTTAATCCTGAC  
 TGGGAGAAGAAGTTATTGAATACTTCAAGGAAAAGCTGAAGGAAAATAATGCTCCTAAATGGGTGCCAT  
 CGCTGAACGAAGTGCCCTCCATTATCTGAAGCCCAACAGCTTTGTCAAGTTTCGTTGCATGATCAGGA  
 TATGTTTTGACCCTGAGTTTTACATGGGAATTTATGAGACAGTTAACCCAGAACACAAAAGCACGCTTCTT  
 CATTTTGGAAAATACAGAGATGTAGCAGAATGTGGGCCTCAACAAGAACTTGACTTGAGCTCTCCAAGGT  
 CTACCCTTCCGAAAGACAGACCTTCTACTGTGTCCCGTGCCCGGGGAGTCTTCGTGGGTCAAAGAGGC  
 CTATGTCAATGCGAACCAAGCTCGAGTCAGTCCCTCGACCTCTACACTCCCAGTAGGCACAAGAGGAGT  
 TATGAAGATGACGAGGACATGGACCTACAGCCAGTAAACAGAAGGAGCAGCATCCAGGCTCCCGGCAAG  
 CAGGAGGCTCGGGGCCCTTCACTGGTGGGAGAGCCAAAACGCTTAGAACTGAAGCTTCTCTGGACA  
 GCAGCTGAACACCTTGAACCTCTTCCCGTTTGATCTGAACCTTCTCTGCCAGGAGAAAAGGTCCT  
 GCCTGCCTGTTAAGGTCTACGAAGATTGGGATTGCTTCAAAGTCAATGATGTCCTTGAGTTATACGGTG  
 TGCTCTGTGGATCCTGTCTGAGCGTACTGAATAGTGAGGAAAAGGATGCCTCTGCACTGCTGGACCC  
 CATGGAGTGCACAGACATGGCTGAAGAGCAGAGAGTGCACAGCCACCCTTCACTAGTGCCAAGAATT  
 CATGTGATTTTAGCTCAGAAGTTGCAGCACATCAATCCGTTGTTACCCACTTGCCTTAAACAAGGAGGAGA  
 GCAGAAGCTGTGAGTTTGTGTCAATTTTATGTCTGAGTTGTCTCCAGTCAGAGCAGAGCTGCTTGGATT  
 CCTCACTACGCACTCTTGGGAGATAGTTTGGCTGCTGAATATCTTATATTGCATCTCATCTCTACAGTG  
 TATACAAGAAGAGATGTACTTCTTAGGAAAATTTACAGTTAACCTGAGTGGTTGCCCGCAGAACAGTA  
 CCTTACGGAACACCTTACCGGATCATCCAACATCTTGTCCAGCATCTTTTCGTCTACAGATGACAAT  
 AGAAAACATGAACCAAGTTGAAGCTATTCCCCACAAGACTACACAGCCAACCGACTGGTCAGTGGCTC  
 TTTCAGCTGCCCAACAATACTTCCCTGGTCATTGACGAGACTTCTGGAGCAAGGGCAGTTGGACACGC  
 CAGGTGTTATAACGTAACCTGCCCTGAGCAACCTGATAACCTGGCAGAAGGTGGATTACGACTTCAGCTA  
 TCACCAGATGGAGTTCCCATGCAATATCAATGTTCTCATCACATCTGAGGGAAAGTCACTACTTCCGGCA  
 GACTGCCAGATTCACCTGCAGCCCCAGCTGATACCACCAACATGGAGGAGTACATGAACGGCCTGCTCT  
 CAGCTGTGCTGCCGTCCGTGCTCAACAAGTTCCGGATCTACCTGACCTTGTGAGATTCTGGATTACAA  
 CCTATCAGACGACATAACCAAGGCGTTGAAGATGATTTTGTGGAAATGCGTAAAGATGACCCTCAGAGC  
 ATCAGGGCTGATGACCTCCACCAGCTGCTTGTGGTGGCTCGATTCTGTCTGAGCGTCGGTCAGACAA  
 CACTCTCCAGAGAGCGCTGGCTCAGAGCAAAGCAGCTGGAGCTCTCCAGGAAGGCCCGGCTTCCAGAGCA  
 GAAGAGTGTGAATGGGAACGAGCTTTAGAGCGCCGAGCGTGCAGGGAACGGCAAGCTACGGCCTCTGTGC  
 GTGCAGTCCACAGTCCTTTACACCACATTTGTTTTATAGGGAATTTGTATCCAAAACACAGTGACTTTTC  
 CTGAAATCAAGTCTGGTGACACCTAAAGTTTATGATTCTCTGTAAAGGTTTTTACCTTACTGGTTTTA  
 TGGAGTTTTGGAGTTTTTATAATTAGTTATGATGTACAAAATGATTTGATATTAAGGTTTAATA  
 ATGAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_145955

**Insert Size:** 1929 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:**

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:** [BC025641](#), [AAH25641](#)

**RefSeq Size:** 2468 bp

**RefSeq ORF:** 1929 bp

**Locus ID:** 210711

**UniProt ID:** [Q8R3C0](#)

**Cytogenetics:** 7 F3

**Gene Summary:** Associated component of the MCM complex that acts as a regulator of DNA replication. Binds to the MCM complex during late S phase and promotes the disassembly of the MCM complex from chromatin, thereby acting as a key regulator of pre-replication complex (pre-RC) unloading from replicated DNA. Can dissociate the MCM complex without addition of ATP; probably acts by destabilizing interactions of each individual subunits of the MCM complex. Required for sister chromatid cohesion (By similarity).[UniProtKB/Swiss-Prot Function]