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Product datasheet for RN209531

Mcmbp (NM_001039608) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mcmbp (NM_001039608) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Mcmbp
Synonyms:	MCM-BP; RGD1306730
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

Fully Sequenced ORF:

>RN209531 representing NM_001039608
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCCTGTGGAGAAGACTGGCTGAGCCACCCGCTCGGGATCGTGCAAGGCTTCTTCGCACAAAATGGAG
TTACTCCTGACTGGGAGAAGAAAGTTATTGACTACTTCAAGGAGAAGCTGAAGGAAAATAATGCTCCTAA
ATGGGTACCATCGTTGAATGAAGTCCCCCTTCATTATCTGAAGCCTAACAGCTTTGTCAAGTTCCGTTGC
ATGATTCAGGATATGTTTGACCCCGAGTTTTACATGGGCGTTTATGAAACCGTTAACCAGAACACAAAAG
CACGGGTTCTTCATTTTGGAAAATACAGAGATGTAGCAGAATGTGGGCCTCAACAAGAACTTGACTTAAA
CTCTCCACGGTCAACCACTTCGGAAAGACAGACCTTTTACTGCGTCCCAGTGCCTGGGGAATCTTTGTGG
GTCAAAGAGGCCTATGTCAATGCAAACCAAGCTCGAGTCAGCCCTTCGACTTCTTACACTCCCAGTAGAC
ACAAGAGGAGTTATGAAGATGATGAAGATATGGACCTACAGCCCAATAAACAGAAAGACCAACATTCAGG
TGCCCGGCAAGCAGGAGGCCTCGGGGGCCTTCACTGGCGCGGAGAGCCAAAACGCTTAGAGACTGAAGCT
TCCTCTGGGCAGCAGCTGAACTCCTTGAACCTCTCTTCCCCATTTGATCTGAACTTTCCTCTGCCTGGAG
AAAAAGGCCCTGCCTGCCTTGTTAAGGTCTATGAAGATTGGGATTGCTTCAAAGTCAACGATGTTCTTGA
GTTGTATGGTGTGCTCTCTGTGGACCCTATCCTGAGCATACTGAATAATGAAGAAAGGGATGCCTCTGCA
CTGCTGGACCCCATGGAATGCACGGACATGGCCGAAGAGCAGAGAGTGCATAGCCCTCCCGCTTCACTAG
TGCCAAGAATTCACGTGATTTTAGCCCAGAAGCTGCAGCACATCAATCCATTGTTACCCACTTGCCTTAA
CAAGGAGGAGAGCAGAACCTGTCAGTTTGTGTCCAATTTCATGTCCGAGTTGTCTCCAGTCAGAGCAGAG
CTGCTTGGATTCCTCACTCATGCACTCTTGGGAGACAGTTTGGCTGCTGAATACCTTATATTGCATCTCA
TCTCCACCGTGTATACAAGAAGAGATGTACTTCCACTGGGAAAATTTACAGTTAACCTGAGTGGTTGCCC
ACAGAACAGCACCTTCACGGAACACCTATATCGGATCATCCAACATCTTGTTCCAGCATCTTTCCGTCTA
CAGATGACAATAGAAAACATGAACCAGTTGAAACTCATTCCCCACAAAGACTATACAGCCAACCGACTGG
TCAGCGGCCTCCTTCAGCTGCCCAACAACACTTCCCTGGTCATTGATGAGACTCTTCTGGAGCAAGGGCA
ATTGGACACGCCAGGTGTTCATAACGTAGCCGCCCTGAGCAATCTCATAACCTGGCAGAAGGTGGACTAT
GACTTCAGTTACCACCAGATGGAGTTCCCATGTAACATCAACGTTCTCATCACATCCGAGGGGAGGTCAC
TACTTCCGGCAGACTGCCAGATTCACTTACAGCCCCAGCTGATACCACCCAATATGGAGGAATACATGAA
CGGCCTGCTCTCAGCTGTGCTGCCGTCCGTGCTCAACAAGTTCCGAATCTACCTGACTTTGCTGAGATTC
CTGGATTACAACTTATCAGACGACATAACCAAGGCAGTTGAAGATGATTTTGTGGAAATGCGTAAAAATG
ACCCTCAGAGTATCACGGCTGATGATCTCCACCAGTTGCTTGTGGTGGCTCGGTTTCTGTCTCTGAGCGC
GGGTCAGACAACACTCTCCAGAGAGCGATGGCTCAGAGCAAAGCAGCTGGAGCACTCCAGGAGAAGCAGG
CTCCAGCAGCAGAAGAGCGTGAATGGGAACGAGCTTTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001039608

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:	NM_001039608.2, NP_001034697.2
RefSeq Size:	2504 bp
RefSeq ORF:	1929 bp
Locus ID:	309009
UniProt ID:	B1H268
Cytogenetics:	1q37
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]