

Product datasheet for **RC233048**

MCM BP (MCMBP) (NM_001256378) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MCM BP (MCMBP) (NM_001256378) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MCM BP
Synonyms:	C10orf119; MCM-BP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RC233048 representing NM_001256378
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGCCGTGTGGGAGGATTGGCTCAGCCACCCGCTGGGAATCGTCAGGGATTCTTCGCCCAAATGGAG
 TTAATCCTGACTGGGAGAAGAAAGTAATTGAGTATTTAAGGAAAAGCTGAAGGAAAATAATGCTCCTAA
 GTGGGTACCATCACTGAACGAAGTTCCCTTCATTATTTGAAACCTAATAGTTTTGTGAAATTCGTTGC
 ATGATTACAGGATATGTTTGACCTGAGTTTTACATGGGAGTTTATGAAACGGTTAACCAAAACACAAAAG
 CACATGTTCTTCATTTTGGAAAATATAGAGATGTAGCAGAGTGTGGCCTCAACAAGAACTTGATTTAA
 CTCTCCACGAAATACCACTTTGAAAGACAGACTTTCTATTGTGTTCCGGTGCCTGGGGAATCTACGTGG
 GTAAAAGAAGCCTATGTTAATGCAAAACCAAGCTCGAGTCAGTCCCTCAACATCCTACACTCCTAGTCGCC
 ACAAGAGGAGTTATGAAGATGATGACGATATGGACCTACAGCCAATAAGCAGAAAGACCAACATGCAGG
 TGCCAGACAAGCAGGGAGTGTGGTGGTCTTCAATGGTGTGGAGAGCCAAACGTTTAGAACTGAAGCT
 TCTACTGGGCAACAGCTGAACCTCTGAACTTGCTTCTCTCTTTTGATTGAATTTCCATTGCCAGGAG
 AGAAGGGCCCTGCATGCCTTGTAAGGTTTATGAAGATTGGGATTGTTTCAAAGTAAATGACATTCTTGA
 GCTATATGGCATACTGTCTGTGGATCCTGTGCTGAGTATACTGAATAATGATGAAAGGGATGCCTCTGCA
 CTGCTGGATCCGATGGAGTGCACAGACACAGCAGAGGAGCAGAGAGTACACAGTCCCTCCTGCTTCATTAG
 TGCCGAGAATTCATGTGATCTTAGCCAGAAAGTTGCAACACATCAACCCATTATTGCCTGCCTGCCTTAA
 CAAAGAGGAGAGCAAAACCTTTGTTTCAAGTTTCATGTCCGAATTGTCTCCAGTCAGAGCAGAATCTCT
 GGGTTCCTTACTCATGCCCTTCTGGGGGATAGTTTGGCTGCTGAATACCTTATATTACATCTCATCTCCA
 CAGTATATACAAGAAGAGATGTCCTTCCACTAGGAAAATTTACAGTTAACTTGAGTGGTTGCCACGGAA
 TAGTACCTTACAGAACACTTGTATCGAATTATTCAACATCTTGTCCAGCATCTTTTCGTCTGCAGATG
 ACTATAGAGAACATGAACCATTGAAATTCATCCCCACAAAGACTACACAGCCAATCGCTTGGTCAGTG
 GGCTCCTCCAGCTGCCAGCAATACTTCCCTTGTAATCGATGAGACTCTCCTGGAACAGGGGCAGCTGGA
 TACCCAGGTGTTTATAATGTGACAGCCCTGAGCAACCTCATAACGTGGCAGAAGGTGGATTATGACTTC
 AGCTACCATCAGATGGAATCCCTGCAATATTAACGTTTTCTTACTTCGGAGGGGAGTCACTCCTCC
 CGGCAGACTGCCAGATTCATTTACAGCCCCAGCTAATCCACCAACATGGAGGAGTACATGAACAGCCT
 TCTCTCAGCGGTGCTGCCTTCCGTGCTGAACAAATCCGCATTTATCTAACTCTTTGAGATTCTTGGA
 TATAGCATATCTGATGAAATAACCAAGGCAGTTGAAGATGACTTTGTGGAATGCGGAAGAACGACCCTC
 AGAGCATCACTGCTGATGATCTTACCAGCTGCTCGTGGTGGCTCGGTGTCTGTCTCTCAGTGTGGTCA
 GACAACGCTGTCAAGAGAACGATGGCTGAGAGCAAAAGCAGCTAGAGTCTTTAAGAAGAACAGGGTTCA
 GACAAAAATGTGTGAATGGAATGAACTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC233048 representing NM_001256378
Red=Cloning site Green=Tags(s)

MPCGEDWLSHPLGIVQGFFAQNGVNPDEKKVIEYFKEKLKENNAPKWVPSLNEVPLHYLKPNSFVKFRC
 MIQDMDFPEFYMGVYETVNQNTKAHVLHFGKYRDAECGPQQELDLNSPRNTTLERQTFYCVVPGESTW
 VKEAYVNANQARVSPSTSYTPSRHKRSYEDDDMDLQPNKQKQDHAGARQAGSVGGLQWCGEPKRLETEA
 STGQQLNSLNLSSPFDLNFPLPGEKGPACLVKVYEDWDCFKVNDILELYGILSVDPLVLSILNNDERDASA
 LLDPMECTDTAEEQRVHSPASLVPRIHVILAQKLQHINPLLPACLNKEESKTFVSSFMSELSPVRAELL
 GFLTALLGDSLAAEYLILHLISTVYTRRDVPLGKFTVNLSGCPRNSTFTEHLRYRIQHLVPASFRLQM
 TIENMNLKFIPIHKDYANRLVSGLLQLPSNTSLVIDETLLEQQQLDTPGVHNVLTALSNIITWQKVDYDF
 SYHQMEPCNINVFITSEGRSLLPADCQIHLQPQLIPPNEEYMNLSLAVLPSVLNKFRIYLTLLRFL
 YSISDEITKAVEDDFVEMRKNDPQSITADDLHQLLVVARCLSLSAGQTTLRERWLRKQLESLRRLRLQ
 QQKCVNGNEL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001256378

ORF Size: 1920 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001256378.2](#)

RefSeq Size: 4292 bp

RefSeq ORF: 1923 bp

Locus ID: 79892

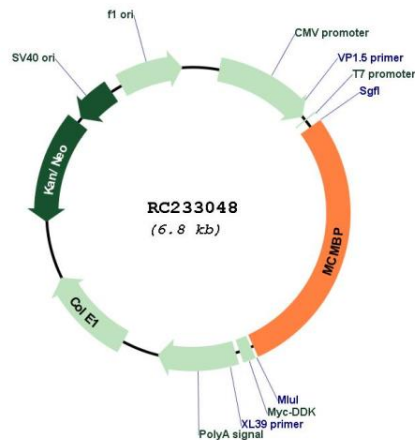
UniProt ID: [Q9BTE3](#)

Cytogenetics: 10q26.11

MW: 73.2 kDa

Gene Summary: This gene encodes a protein which is a component of the hexameric minichromosome maintenance (MCM) complex which regulates initiation and elongation of DNA. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2012]

Product images:



Circular map for RC233048