

Product datasheet for **SC112004**

MCM BP (MCMBP) (NM_024834) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MCM BP (MCMBP) (NM_024834) Human Untagged Clone
Tag:	Tag Free
Symbol:	MCM BP
Synonyms:	C10orf119; MCM-BP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC112004 sequence for NM_024834 edited (data generated by NextGen Sequencing)

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ATGCCGTGTGGGGAGGATTGGCTCAGCCACCCGCTGGGAATCGTGCAGGGATTCTTCGCC
CAAAATGGAGTTAATCCTGACTGGGAGAAGAAAGTAATTGAGTATTTAAGGAAAAGCTG
AAGGAAAATAATGCTCCTAAGTGGTACCATCACTGAACGAAGTCCCCTTCATTATTTG
AAACCTAATAGTTTTGTGAAATTTGTTGCATGATTCAGGATATGTTTGACCCGTAGTTT
TACATGGGAGTTTATGAAACGGTTAACC AAAACACAAAAGCACATGTTCTTCATTTTGG
AAATATAGAGATGTAGCAGAGTGTGGCCCTCAACAAGAAGCTTGATTTAAACTCTCCACGA
AATACCACCTTTGAAAAGACAGACTTTCTATTGTGTTCCGGTGCCTGGGAATCTACGTGG
GTAAAAGAAGCCTATGTTAATGCAAACCAAGCTCGAGTCAGTCCCTCAACATCCTACACT
CCTAGTCGCCACAAGAGGAGTTATGAAGATGATGACGATATGGACCTACAGCCCAATAAG
CAGAAAGACCAACATGCAGGTGCCAGACAAGCAGGGAGTGTGGTGGTCTTCAATGGTGT
GGAGAGCCAAAACGTTTAGAAACTGAAGCTTCTACTGGGCAACAGCTGAACTCTCTGAAC
TTGTCTTCTCCTTTTGAATTTTCCATTGCCAGGAGAGAAGGGCCCTGCATGCCTT
GTGAAGGTTTATGAAGATTGGGATTGTTTCAAAGTAAATGACATTCCTTGAGCTATATGGC
ATACTGTCTGTGGATCCTGTGCTGAGTATACTGAATAATGATGAAAGGGATGCCTCTGCA
CTGCTGGATCCGATGGAGTGCACAGACACAGCAGAGGAGCAGAGAGTACACAGTCCCTCT
GCTTCATTAGTGGCGAGAATTCATGTGATCTTAGCCCAGAAGTTGCAACACATCAACCCA
TTATTGCCTGCCTGCCTTAACAAAGAGGAGAGCAAAACCTGTAAGTTTGTTCAGTTTC
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AATCGCTTGGTCAGTGGGCTCCTCCAGTGCCAGCAATACTTCCCTTGTAAATCGATGAG
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ATTCACTTACAGCCCCAGCTAATCCACCAACATGGAGGAGTACATGAACAGCCTTCTC
TCAGCGGTGCTGCCTTCCGTGCTGAACAAATCCGCATTTATCTAACTCTTTTGAGATTC
TTGGAATATAGCATATCTGATGAAATAACCAAGGCAGTTGAAGATGACTTTGTGGAAATG
CGGAAGAACGACCCTCAGAGCATCACTGCTGATGATCTTACCAGCTGCTCGTGGTGGCT
CGGTGCTGTCTCTCAGTGTGTCAGACAACGCTGTCAAGAGAACGATGGCTGAGAGCA
AAGCAGCTAGAGTCTTTAAGAAGAACGAGGCTTCAGCAGCAAAAATGTGTGAATGGAAT
GAACCTTAA
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Clone variation with respect to NM_024834.2

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_024834 unedited
 GGTGCACGATATTTGTATCACGACCCACTATAGGGGGCGGCCGCAATTCGGCACGAGG
 GGGAGGCCCGCGCCCGCGGCTCGCTGTGCGTGGGAGGGCGCGAGCGAACCGGGGCGAGG
 AGCGGCCGAGCCGCTGAAGAGGAGCTGGGCGCCGGCCCGCCGCGCTCGGCCCGCG
 ATCGCCTCCGCCCGGTCTTCGCCGGCCCGGCCCTGGCGAGATGCCGTGTTGGGAGGAT
 TGGCTCAGCCACCCGCTGGGAATCGTGCAGGGATTCTTCGCCAAAATGGAGTTAATCCT
 GACTGGGAGAAGAAAGTAATTGAGTATTTAAGGAAAAGCTGAAGGAAAATAATGCTCCT
 AAGTGGGTACCATCACTGAACGAAGTTCCTTCATTATTTGAAACCTAATAGTTTTGTG
 AAATTTCTGTTGCATGATTACAGGATATGTTTGACCTGAGTTTTACATGGGAGTTTATGAA
 ACGGTTAACCAAAACACAAAAGCACATGTTCTTCATTTTGAAAAATAGAGATGTAGCA
 GAGTGTGGGCCTCAACAAGAAGTTGATTTAACTCTCCACGAAATACCACTTTGGAAAGA
 CAGACTTTCTATTGTGTTCCGGTGCCTGCGGAATCTACGTGGTAAAAGAAGCCTATGTT
 AATGCANACCAAGCTCGAGTCAGTCCCTCAACATCCTACACTCCTAGTCGCCACAAGAGG
 AGTTATGAAGATGATGACGATATGGACCTACAGCCAATAAGCAGAAAAGACCACATTGCT
 AGGTGCCAGACAAGCCAGGGANTGTTTGTGGTCTTCATGGGTGTGGAGAGCCACAACG
 TTTAGAAACTGGAGCTTCTACTGGCCACAGCTGAACTCTCTGAACCTGCCTTCTCCCTT
 TGAAGTTGAATTCCTT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_024834 unedited
 TGGACGCGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTGTGCTAATTTGGGA
 CGTTTTATTTATTGAAAGGTTCTTTCAAGGGAACTTTTCTGCAAGACCAAGCAATGTAT
 GTATTTTTCTTTGGTAAATTACAATTTACATTGGCACAAAAACACATGGTGACTAATGT
 ACTTTGCTCTAGGACAATTAAGAAAATGATTTTATCCTCACAAATCCAGTGAAGCCTT
 CATTTTATTTCTAAAAGTTTAAGGAAGGTCTAGTCTACCAGTTATAAAAAATGAAAACCG
 TTCAACTCTAATAAATACATTATTTACATTTGTTATAAAAAATAGATTTGAGTTTAGGAA
 AAGTTGAACAAGTATTTTTACTTCAGTTATTAGGTACAATGAATTCCTTGATTTTT
 CAAGGCTGACCCTGTTTCCTTGGTTAACAATTTCAATTTAGGCCTTATAGGAAAAACGT
 AAGGGATCCTTTATCTGCCTCCAAGTAAAGTACTTGATACCACTGACAGCTAAAA
 AGTAATGTCCTAACCTTTCTGAAGATTCTGGTTGCCATAACCATGCTACTACAGTCTGTT
 GTTAGTTGCTCTATTAATAAATGTTGGTCTGGAGAAAACCTACCTGCAGTTGTACGAAG
 CTGTTACTGGAGTAGCAGATGTTAGCTGATCTAACATACTTGAACCAACTGATGATCCC
 ATAAAAATGCCAAAAATCCAATAGAAATCAAAAGCACTCATGACATTTAAGAAAAATAA
 AACTTTCTAAGGGGGTATTGCTTTTAAAGTTCCTATTTTGNNTTCATATTTGGGCACAG
 CTTTGTAGCACAGCATTCTTATGCATGGNTCTCAATGCACTGGGATANGAGAAAAATAA
 GACATGTAGTGNCTTGGTTCTTTTGCCCC

Restriction Sites:

NotI-NotI

ACCN:

NM_024834

Insert Size:

4100 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_024834.1](#), [NP_079110.1](#)

RefSeq Size: 4113 bp

RefSeq ORF: 1929 bp

Locus ID: 79892

UniProt ID: [Q9BTE3](#)

Cytogenetics: 10q26.11

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]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longest protein (isoform 1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.