

Product datasheet for **SC216545**

MCM10 (NM_018518) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	MCM10 (NM_018518) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	MCM10
Synonyms:	CNA43; DNA43; PRO2249
ACCN:	NM_018518
Insert Size:	1830 bp



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Insert Sequence: >SC216545 3'UTR clone of NM_018518
 The sequence shown below is from the reference sequence of NM_018518. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GACGCCCCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTGTAACAATTG
GCAGAGCTCAGAATTCAAGCGATCGCTTGGCGCGCC
CATGCTAAATTTCTGAACAGCCTTAAATTAACCCGAACTTCAGACATTTCCACAGACTTCTGGCCTC
CTGTGACTCTGGAAAGCAAAGGATTGGCTGTGTATTGTCCATTGATTCTGATTGACGCCGTCAAAAAC
AAATGCTTGTAAAGCCATAAGCTTTGCCTGCTTACTTTCTGCCATTGGGTTGGTTTGATACCACATTT
AACATTGACATTTAAGTGAAAACCAAGTTATCATTGTCTTTTCTAAGCTCAGTGTGGATGATTGCATT
ACTTCATTCACTGAAGTTTTTGCCTAAAAATTGGAAGGTAACAGAGAGCTATGTTTCTGTATCTTTTG
GTTATAGAGTGTTCACTTCTTTATCATAACAAAATCTAGTGTTTATACGAACACCCAGAGGCAAAAAGA
ATTTGGCTTAATTCTCACTCCAGGTAAGTAGCTTAACTTCTGGGCTTCAGTTTTCTCATCTGTAATAATC
AGGAAGATTGGACTAAGTGATCCTGAAATGATTTTTTAGCACTGGATTTCTACAATAATAAACTTT
CCCATCTAGATAATGATGATCACATAGTCTTGATGTACGGACATTAAGCCAGATTTCTTCATTCAAT
TCTGTTATCTCTGTTTTACTCTTTGAAATTGATCAAGCCACTGAATCACTTTGCATTTTCAGTTTATATA
TATAGAGAGAAAAGGTTGCTGCTCTTACATTATTGTGGAGCCCTGTGATAGAAATATGAAAATCTC
ATATTATTTTTTTTTTAAATTTTTTATTTTTATGACAGGGTCTCACTATGTCACCCTGGCTGGAGTGC
AGTAGTGCGATCGCGGCACACTGCAGCCTTGGCTTCCCTGGGCTCAAGCAGTCTCCACCTCAGTCTC
CCAAATAGCTAGGACTACAGGCGTGCCTGACCAAGCCAGCTAATTTTTGCATTTTTGTAGAGATGGG
GTTTTGCCATGTTGCTCAGGCTGGTCTCAAACCTCTGAGCACTAGCAATCCACCCACCTCTGTTTCAA
AAAAAAAAAAAAAATGAAAGGTCAACCCCTATGCAAATACCACAGCAAAGGTTTCATTGAGGATTC
TTCCATCTGGGCAACCTGGTTTTTCAAATATCATTGACCTAAGTGAATGTTGATACTAGCTAAAGATT
GGGTAAATTGGTTGAATTATTGTATTGAAGCTTGAGCTGTAGCTAAAAGTAAATTTAGTTTTCCCTAAG
ATGTTATTATGTTAGGGACATAACACTTTTGGGAGGTTGTTGTGGGAGATGGTTGATTTAGGTTTTCAA
AAGCTAGAAATAAAATTTACATGCCTTAGATTTTCAAAAATTTCTGCTCTAATTGGGTGGAAGGTGCTGT
ATCTAACTTGTTTCTCCTAAGGTTATGTCCTAATAACTATTCTTTTAGGAGTATACTTCTACTTTAT
AGAAGGTTGCTTTCTTTTAAATTTTTTCTAACAAGAAAAGAATAAAGTATTTATTAATAAGAACCAG
AAAGCACTGAACTGATGTTTTAATGGCTCATTAGGGTAGATTTATTTATCTCATTAACTTAAAC
AGCTATGTGTATGAAATAGGTCACAACAGAAGTGAACACCAGGTTGGTGTCTGAGCAATCCCTTTCTT
ATGGGAAAAACAATGTTCTTGTGTTGAACAGAGGATCATTGCAGTCAGTATTCAGTGTATATTGTTA
TATAAGTTGTATAATATGCTTGTAAAGGCTGAGGGTGAGCTGTATCTGGATGCCTTTTTACAATTTGAT
TTTAACTTTTAAATAAATTTAAACATAAATTGTCA
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
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Restriction Sites: Ascl-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_018518.5](#)

Summary:

The protein encoded by this gene is one of the highly conserved mini-chromosome maintenance proteins (MCM) that are involved in the initiation of eukaryotic genome replication. The hexameric protein complex formed by MCM proteins is a key component of the pre-replication complex (pre-RC) and it may be involved in the formation of replication forks and in the recruitment of other DNA replication related proteins. This protein can interact with MCM2 and MCM6, as well as with the origin recognition protein ORC2. It is regulated by proteolysis and phosphorylation in a cell cycle-dependent manner. Studies of a similar protein in *Xenopus* suggest that the chromatin binding of this protein at the onset of DNA replication is after pre-RC assembly and before origin unwinding. Alternatively spliced transcript variants encoding distinct isoforms have been identified. [provided by RefSeq, Jul 2008]

Locus ID:

55388

MW:

70.8