

## Product datasheet for **SC216546**

### **MCM10 (NM\_182751) Human 3' UTR Clone**

#### **Product data:**

Product Type:	3' UTR Clones
Product Name:	MCM10 (NM_182751) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	MCM10
Synonyms:	CNA43; DNA43; PRO2249
ACCN:	NM_182751
Insert Size:	1830 bp



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**Insert Sequence:** >SC216546 3'UTR clone of NM\_182751  
 The sequence shown below is from the reference sequence of NM\_182751. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

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GACGCCCCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTGTAACAATTG
GCAGAGCTCAGAATCAAGCGATCGCTTGGCGCGCC
CATGCTAAATTTCTGAACAGCCTTAAATTAACCCGAACTTCAGACATTTCCACAGACTTCTGGCCTC
CTGTGACTCTGGAAAGCAAAGGATTGGCTGTGTATTGTCCATTGATTCTGATTGACGCCGTCAAAAAC
AAATGCTTGTAAAGCCATAAGCTTTGCCTGCTTACTTTCTGCCATTGGGTTGGTTTGATACCACATTT
AACATTGACATTTAAGTGAAAACCAAGTTATCATTGTCTTTTCTAAGCTCAGTGTGGATGATTGCATT
ACTTCATTCACTGAAGTTTTTGCCTAAAATTGGAAGGTAACAGAGAGCTATGTTTCTGTATCTTTTG
GTTATAGAGTGTCACTTCTTTATCATAACAAAATTCTAGTGTTTATACGAACACCCAGAGGCAAAAAGA
ATTTGGCTTAATTCTCACTCCAGGTAAGTAGCTTAACTTCTGGGCTTCAAGTTTCTCATCTGTAATAATC
AGGAAGATTGGACTAAGTGATCCTGAAATGATTTTTTAGCACTGGATTTCTACAATAATAAACTTT
CCCATCTAGATAATGATGATCACATAGTCTTGATGTACGGACATTAAGCCAGATTTCTTCATTCAAT
TCTGTTATCTCTGTTTTACTCTTTGAAATTGATCAAGCCACTGAATCACTTTGCATTTTCAGTTTATATA
TATAGAGAGAAAAGGTTGTCTGCTTACATTATTGTGGAGCCCTGTGATAGAAATATGAAAATCTC
ATATTATTTTTTTTTAATTTTTTATTTTTATGACAGGGTCTCACTATGTCACCCTGGCTGGAGTGC
AGTAGTGCGATCGCGGCACACTGCAGCCTTGGCTTCCCTGGGCTCAAGCAGTCTCCACCTCAGTCTC
CCAAATAGCTAGGACTACAGGCGTGCCTGACCAAGCCAGCTAATTTTTGCATTTTTGTAGAGATGGG
GTTTTGCCATGTTGCTCAGGCTGGTCTCAAACCTCTGAGCACTAGCAATCCACCCACCTGTTTCCAA
AAAAAAAAAAAAAATGAAAGGTCAACCCTATGCAAATACCACAGCAAAGGTTTCATTGAGGATTC
TTCCATCTGGGCAACCTGGTTTTCCAAATATCATTGACCTAAGTGAATGTTGATAGCTAAAGATT
GGGTAAATTGGTTGAATTATTGTATTGAAGCTTGAGCTGTAGCTAAAAGTAAATTTAGTTTTCCCTAAG
ATGTTATTATGTTAGGGACATAACACTTTTGGGAGGTTGTTGTGGGAGATGGTTGATTTAGGTTTTCAA
AAGCTAGAAATAAAATTTACATGCCTTAGATTTTCAAAAATTTCTGCTCAATTTGGGTGGAAGGTGCTGT
ATCTAACTTGTGTTCTCCTAAGGTTATGTCCTAATAACTATTCTTTTAGGAGTACTTCTACTTTAT
AGAAGGTTGCTTTCTTTTAAATTTTTTCTAACAAGAAAAGAATAAAGTATTTATTAATAAGAACCAG
AAAGCACTTGAACTGATGTTTTAATGGCTCATTAGGGTAGATTTATTTATCTCATTAACTTAAAC
AGCTATGTGTATGAAATAGGTCACAACAGAAGTGAACACCAGGTTGGTGTCTGAGCAATCCCTTTCTT
ATGGGAAAAACAATGTTCTGTTTGAACAGAGGATCATTGCAGTCAGTATTCAGTGTATATTGTTA
TATAAGTTGTATAATATGCTTGTAAAGGCTGAGGGTGAGCTGTATCTGGATGCCTTTTTACAATTTGAT
TTTAACTTTTAAATAAATTTAAAACATAAATTGTCA
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCACCGCCGCTTCTATGAAAGG
```

**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\\_182751.3](#)

**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