

## Product datasheet for **SC208013**

### **MCM3 (NM\_002388) Human 3' UTR Clone**

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** MCM3 (NM\_002388) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** MCM3  
**Synonyms:** HCC5; P1-MCM3; P1.h; RLFb  
**ACCN:** NM\_002388  
**Insert Size:** 603 bp  
**Insert Sequence:** >SC208013 3'UTR clone of NM\_002388  
The sequence shown below is from the reference sequence of NM\_002388. The complete sequence of this clone may contain minor differences, such as SNPs.  
**Blue**=Stop Codon **Red**=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GTGTCTGAGGGCATCATCTTCCATCTGAGGAGGCTCGTCTCTGAACTGGGTTGTGCCGAGAGAGT
TTGTTCTGTGTTCCACCCTCTCCCTGACCCAAGTCTTGCCTCTACTCCCTAACAGTGTGAATTC
AACTGAAGGCGAGGAATGTTGGTATGAAGCTGAGTTCAGGACTCGGTGGACCCTTTGGGAATGGGTCA
TGAAAGCTGCCATGGGGTGGGAAAGAGGAGACAGTGGGAGAGGACAATGACTATTGCATCTTCATTGC
AAAAGCACTGGCTCATCCGCCCTACTTCCATCCACACAAACCAATTGTAAATAACATATGACTTCT
GAGTACTTTTGGGGGCACAACCTGTTTTCTGTTTGTGTTTTTTGTTTTTTTCTCCAGAGCAC
TTTGGTCTAGACTAGGCTTTGGTGGTTCCAATTGGTGGAGAGAAGCTCTGAGGCACGTATGCAGGTC
AAGAAAGCTTTCTTTCAGTAGCACCAGTTAAGGTGAATATGTATTGTATCACAAAACAAACCAATAT
CCAGATGAATATCCGAGATGTTGAATAAACTTAGCCATTTGACACATGG
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
```

**Restriction Sites:** SgfI-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 µg dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.



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RefSeq: [NM\\_002388.6](#)

**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 may be involved in the formation of replication forks and in the recruitment of other DNA replication related proteins. This protein is a subunit of the protein complex that consists of MCM2-7. It has been shown to interact directly with MCM5/CDC46. This protein also interacts with and is acetylated by MCM3AP, a chromatin-associated acetyltransferase. The acetylation of this protein inhibits the initiation of DNA replication and cell cycle progression. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2018]

Locus ID: 4172

MW: 22.6