

Product datasheet for **SC208847**

MCM2 (NM_004526) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	MCM2 (NM_004526) Human 3' UTR Clone
Symbol:	MCM2
Synonyms:	BM28; CCNL1; cdc19; CDCL1; D3S3194; DFNA70; MITOTIN
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_004526
Insert Size:	693 bp
Insert Sequence:	<p>>SC208847 3'UTR clone of NM_004526</p> <p>The sequence shown below is from the reference sequence of NM_004526. The complete sequence of this clone may contain minor differences, such as SNPs.</p> <p>Blue=Stop Codon Red=Cloning site</p>

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GGCAAGTTGGACGCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAACGGATCGCC
AAAAGGAAAATGATCCTGCAGCAGTTCTAGGGCCCTATGCCATCCATAAGGATTCCTTGGGATTCTGGT
TTGGGGTGGTCAGTGCCCTCTGTGCTTTATGGACACAAAACCAGAGCACTTGATGAACTCGGGGTACTA
GGGTCAGGGCTTATAGCAGGATGTCTGGCTGCACCTGGCATGACTGTTTGTCTCCAAGCCTGCTTTG
TGCTTCTCACCTTTGGGTGGGATGCCTTGCCAGTGTGTCTTACTTGTTGCTGAACATCTTGCCACCTC
CGAGTGCTTTGTCTCCACTCAGTACCTTGATCAGAGCTGCTGAGTTCAGGATGCCTGCGTGTGGTTTA
GGTGTTAGCCTTCTTACATGGATGTGAGGAGAGCTGCTGCCCTCTTGGCGTGAGTTGCGTATTACAGGCT
GCTTTTGCTGCCTTTGGCCAGAGAGCTGGTTGAAGATGTTTGAATCGTTTTAGTCTCCTGCAGGTTT
CTGTGCCCTGTGGTGGAAGAGGGCACGACAGTGCCAGCGCAGCGTTCTGGGCTCCTCAGTCGCAGGGG
TGGGATGTGAGTCATGCGGATTATCCACTCGCCACAGTTATCAGTGCCTTGTCCCTGTCTGTTTCC
CCACTCTCTTATTTGTGCATTGCGTTTGGTTTCTGTAGTTTTAATTTTAATAAAGTTGAATAAAATAT
AAA
ACGCGTAAGCGGCCGCGGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACGCCGCTTCTATGAAAGG
  
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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).


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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:	<u>NM_004526.4</u>
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 forms a complex with MCM4, 6, and 7, and has been shown to regulate the helicase activity of the complex. This protein is phosphorylated, and thus regulated by, protein kinases CDC2 and CDC7. Multiple alternatively spliced transcript variants have been found, but the full-length nature of some variants has not been defined. [provided by RefSeq, Oct 2012]
Locus ID:	4171
MW:	25.1