

Product datasheet for SC213336

MCM6 (NM_005915) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	MCM6 (NM_005915) Human 3' UTR Clone
Symbol:	MCM6
Synonyms:	MCG40308; Mis5; P105MCM
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_005915
Insert Size:	1239 bp
Insert Sequence:	>SC213336 3'UTR clone of NM_005915

The sequence shown below is from the reference sequence of NM_005915. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAACGATCGCC
GTAAACCCTAACTACTTGCTCGAAGATTGAGATAGTGAAAGTAACTGACCAGAGCTGAGGAACTGTGGC
ACAGCACCTCGTGGCCTGGAGCCTGGCTGGAGCTCTGCTAGGGACAGAAGTGTCTGGAAGTGATGCT
TCCAGGATTTGTTTTAGAAAACAAGAATTGAGTTGATGGTCCATATGTGTCACATTCACAGGTTTCA
TACCAACACAGGCTTCAGCACTTCCTTTGGTGTGTTCCCTGTCCCAGTGAAGTTGGAACCAATAATGT
GTAGTCTCTATAACCAATACCTTTGTTTTCATGTGAAGAAAAGGCCATTACTTTAAAGGTATGTGCT
GTCCTATTGAGCAATAACTTTTTTCAATTGCCAGCTACTGCTTTTATTCATCAAAATAAAATAACTT
GTTCTGAAGTTGTCTATTGGATTCTTTCTACTGTACCCTGATTACTTCCATCTACTTCTGAATGT
GAGACTTTCCCTTTTGGCTTAACCTGGAGTGAAGAGGTAGAAGTGGTATTATGGATGAGGTTTCTAT
GAGAAGGAGTCATTAGAGAACTCATATGAAAGCTAGAGGCCTTAGAGATGACTTTCCAAGGTTAATTCC
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TATTTTACTTCTGTGCTAAGGGTAATTTCTCAGGATTGTTTTCAAATTGCTTTTTTAAAGGAAATAG
GTCATTTGCTATATTACAAGCAATCCCCAAATTTATGGTCTCCAGGAAAAGTATTACCGTTTATGA
TACTAACAGTTCCCTGAGACTTAGCTATGATCAGTATGTTTCATGAGGTGGAGCAGTTCCCTGTGTTGCAGC
TTTTAACAAACAGATGGCATTCTAAATCACAAAGTATGTTAAAGGTCACAAAAGCAAAATAACTGTCT
GAGGCTAAGGCCACGTGGGACAGTCTAATACCCATGAGTACTCAACTTGCCTTGATGTCTGAGCTTTC
CAGTGCAATGTGAATTTGAGCAGCCAGAAATCTATTAGTAGAAAGCAAGACAGATTAATATAGGTTAAA
ACAATGATTTAAATATGTTTCTCCCAATAATTATCTTTCCCTGGAATCAACTTGATGAAACCTTGT
CAAAATGTACTCCACAAGTATGTACAATTAAGTATTTTAAAAATAAATGGCAAACATTAATAACAA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCGCTTCTATGAAAGG
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Restriction Sites:	Sgfl-Mlul
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_005915.6
Summary:	The protein encoded by this gene is one of the highly conserved mini-chromosome maintenance proteins (MCM) that are essential for the initiation of eukaryotic genome replication. The hexameric protein complex formed by the 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. The MCM complex consisting of this protein and MCM2, 4 and 7 proteins possesses DNA helicase activity, and may act as a DNA unwinding enzyme. The phosphorylation of the complex by CDC2 kinase reduces the helicase activity, suggesting a role in the regulation of DNA replication. Single nucleotide polymorphisms in the intron regions of this gene are associated with differential transcriptional activation of the promoter of the neighboring lactase gene and, thereby, influence lactose intolerance in early adulthood. [provided by RefSeq, May 2012]
Locus ID:	4175
MW:	47.7