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Product datasheet for SC201424

MCM7 (NM_005916) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	MCM7 (NM_005916) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	MCM7
Synonyms:	CDC47; MCM2; P1.1-MCM3; P1CDC47; P85MCM; PNAS146; PPP1R104
ACCN:	NM_005916
Insert Size:	234 bp
Insert Sequence:	>SC201424 3'UTR clone of NM_005916 The sequence shown below is from the reference sequence of NM_005916. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC GCTTCCCGGACACGGATCACTTTTGTCTGATTCCAGCCTGCTTGCAACCCTGGGGTCCTCTTGTTCCCT GCTGGCCTGCCCCTTGGGAAGGGGCAGTGATGCCTTTGAGGGGAAGGAGGAGCCCCTCTTTCTCCCATG CTGCACTTACTCCTTTTGCTAATAAAAGTGTTTGTAGATTGTCATCTTCTAGCCTGGGCCTGACTTCCA TTAAAACAGGGTTTTGTGCGTTTTTTA ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG
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 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	NM_005916.5

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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 6 proteins possesses DNA helicase activity, and may act as a DNA unwinding enzyme. Cyclin D1-dependent kinase, CDK4, is found to associate with this protein, and may regulate the binding of this protein with the tumorsuppressor protein RB1/RB. Alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq, Jul 2008]

Locus ID: 4176

MW: 8.5