

Product datasheet for **SC321797**

MCM9 (NM_153255) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MCM9 (NM_153255) Human Untagged Clone
Tag:	Tag Free
Symbol:	MCM9
Synonyms:	C6orf61; dj329L24.1; dj329L24.3; MCMDC1; ODG4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_153255.3
 CCGGCGTCGGTCGAGAGCGCAGGCCCGGCAGAGCCGCGAGGCGCTAGGCCGCCGACACAG
 CCCGCGGTCCTCCCGCGGCGGTGGCGCCTCGAGCGGCCACGTGCACGCGCCTCCGCC
 TCACCAGCCTTCTTGGCGCGGAGACGAACCCGCTGCCTGGCTGGAGCTCTCTGGGCCCTT
 CGGCCTCGGGAGCAACGTGTTCCCGCGACTTCTGACACAGCCATTACCTAGATTAAGA
 TGAATAGCGATCAAGTTACACTGGTTGGTCAAGTGTGGAGTCAATGTTTCGGAATACC
 ATAAGAATGATATTCTTCTAATCTTGAAGGAAAGGGATGAAGATGCTCATTACCCAGTTG
 TGGTTAATGCCATGACTCTGTTTGAGACCAACATGGAAATCGGGGAATATTTCAACATGT
 TCCCCAGTGAAGTGCTTACAATTTTTGATAGTGCCTGCGAAGGTCAGCCTTGACAATTC
 TCCAGTCCCTTCTCAGCCTGAGGCTGTTTCCATGAAACAGAATCTTCATGCCAGGATAT
 CAGGTTTGCCTGTCTGTCTGAGCTGGTGGGAAACACATACCTAAAACCAAGGATGTGG
 GACTTTTTATCTGCTACTGGGACAGTGATTGCAACAAGTCTGGTGAAGGTTCTGGAGT
 TTGAGCGGGATTACATGTGTAACAAATGCAAGCATGTGTTGTGATCAAGGCTGACTTTG
 AGCAGTATTACACCTTTTCCCGCCATCCTCGTGTCCAGCTTGGAGAGCTGTGATTCTCT
 CTAATTCACCTTGCCTCTCAGGCTTGTCTTCATCTCCAACAGGTTAGAGATTACCAGG
 AAATCAAAATTCAGGAACAGGTTCAAAGGCTATCTGTTGGAAGTATTCACAGATCTATGA
 AGGTTATTCTGGAAGATGACTTAGTGGATAGTTGCAAATCTGGTGTGACCTCACTATTT
 ACGGGATTGTAATGCAACGGTGGGAGCCCTTTCAGCAAGATGTGCGCTGTGAAGTGGAGA
 TAGTCCTGAAAGCAAATTACATCCAAGTAAATAATGAGCAGTCTCAGGGATCATCATGG
 ATGAGGAGGTCCAAAAGGAATTCGAAGATTTTTGGGAATACTATAAGAGCGATCCCTTTG
 CAGGAAGGAATGTAATATTGGCTAGCTTGTGCCCTCAAGTGTGGAAATGATCTAGTAA
 AGCTTGTGTGGCATGGTGTGGCTGGTGGGATTCAAAGGACTGATGCTACAGGAACAG
 GGTGAGAGGAAATCTCATCTTTTATTGGTTGGGGATCTGGCACAGGGAATCTCAGT
 TCCTCAAATATGCAGCAAAGATTACACCAAGATCTGTGCTGACCACAGGAATTGGATCTA
 CTAGTGCAGGTATTGTATGTGACAATTTCAAGTAAATTAACATTACTTCAAGGTTAACA
 CAATGGTTTTTTCTAATGAAAACTACCTATAATAGGATAAAATTTCAAGCTAATTTTTGA
 GTTACCACTAAAAATGGAAGGAAATATGCAATGTTATTTTGGTAGCTCAAGAAAATATC
 TTGCAAGCTCCACCTTCACTTTGCATCTTAGTTTTGAACAATCTATTCAATTTTCTCAT
 TCTCTAGTGATTACCTTCATACTTTTATGCAGGAAAAAGTCCGTATCATCTGGCATTTTA
 TCAAGACTCAGCAACTGGAATGTTAAGCTAAAGAGGGGGATATTTCACTTTACCAAGTAG
 ATAGATGGTATAGAGCTTAAGGCATTTTCATGCTATAAATCTGATAGGCAACAGTAGCT
 CCTACTGAAATTTCTTAGGTAGGGAATGTTTATAATATTTGGAAAATATACTTCCATCA
 TTGCAATGTGGAGCTTCAATTCATAAGTTGTAATGATTCTTTAGCAAGTACACTTAAAAGC
 CTTTGCAGGTAGAATGTCAAGATTTGATTATAAATAAAGTGACCCAGGGAATTTAGAAAA
 AAATATTTTTAAAAATATGTTTGTGCTATTTTGTATTTTACAGTTTTGATTGGGTAA
 TGTTTCTGTTCTTCTGAAAACAGACCCTTGGCTTACACATTTTTAAAAATGTTTGTCTACT
 TGTTAAGGGAGTCAGATTAACCTCCATTGGGCTAATGAATGCTCAATTTCTAATGAGAA
 ACTAACACTTTAAAAATTCATACAACAGAAAATGGCCAATTAATGGTCTGTATAAGT
 GGAAAACCTGTTAAGGGGTCTCAGGTTTTGAAATATAACTCAACAGTATATTAACCATTG
 ACAAGAATGGATTTTTGGAATTGAGAAGGTAGACAAACTTCAGGATACTAGGCAAGAAT
 ATATAAGAATATTTCCATGCGTTTTAAATCCGTATGACCCAGTGTCTAGAGTTCTGT
 ATAAAATGATACCAACAACAATAAAGATGCTTCCAAGTAAAAAAAAAAAAAAAAAAAAA
 AAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_153255

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_153255.3</u> , <u>NP_694987.1</u>
RefSeq Size:	2497 bp
RefSeq ORF:	1176 bp
Locus ID:	254394
UniProt ID:	<u>Q9NXL9</u>
Cytogenetics:	6q22.31
Domains:	MCM
Gene Summary:	<p>The protein encoded by this gene is a member of the mini-chromosome maintenance (MCM) protein family that are essential for the initiation of eukaryotic genome replication. Binding of this protein to chromatin has been shown to be a pre-requisite for recruiting the MCM2-7 helicase to DNA replication origins. This protein also binds, and is a positive regulator of, the chromatin licensing and DNA replication factor 1, CDT1. [provided by RefSeq, Nov 2010]</p> <p>Transcript Variant: This variant (2) includes an alternate 3' terminal exon and lacks 6 exons in the 3' coding region, compared to variant 1. The encoded isoform (2) is shorter and has a distinct C-terminus, compared to isoform 1.</p>