

Product datasheet for **SC337619**

MCM8 (NM_001281521) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MCM8 (NM_001281521) Human Untagged Clone
Tag:	Tag Free
Symbol:	MCM8
Synonyms:	C20orf154; dj967N21.5; POF10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001281521, the custom clone sequence may differ by one or more nucleotides

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ATGAATGGAGAGTATAGAGGCAGAGGATTTGGACGAGGAAGATTTCAAAGCTGGAAAAGGGGAAGAGGTG
GTGGGAACCTTCTCAGGAAAATGGAGAGAAAGAGAACACAGACCTGATCTGAGTAAAACCACAGGAAAACG
TACTTCTGAACAAACCCACAGTTTTTGTCTTCAACAAAGACCCACAGTCAATGCAGTCAACATTGGAT
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CACAGTGAATTAAGTAAAGTCTCAAATGCGGAAGAAGGTTCTCGAAATAAGAATGACAAG
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CAATAAAGCCAAAACAGTTTCTGAGAATTTAAAAATGGGGAGTGCCTACTATCCAGATTTGATTTGGTC
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CGGCAGATTGCCAAGAAGTAAACATTCAGGTTGCTGATTTTAAAAATTTTATTGGATCACTAAATGACC
AGGTTACCTCTTAAAAAAGGCCAAAAGTTTACCAGCTTCAAATATGTAA
    
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Restriction Sites: Sgfl-MluI

ACCN: NM_001281521

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).

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_001281521.1, NP_001268450.1</u>
RefSeq Size:	3835 bp
RefSeq ORF:	2643 bp
Locus ID:	84515
UniProt ID:	<u>Q9UJA3</u>
Cytogenetics:	20p12.3
Protein Families:	Transcription Factors
Gene Summary:	<p>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 mini-chromosome maintenance proteins is a key component of the pre-replication complex and may be involved in the formation of replication forks and in the recruitment of other DNA replication related proteins. This protein contains the central domain that is conserved among the mini-chromosome maintenance proteins. The encoded protein may interact with other mini-chromosome maintenance proteins and play a role in DNA replication. This gene may be associated with length of reproductive lifespan and menopause. Alternatively spliced transcript variants encoding distinct isoforms have been described. [provided by RefSeq, Jul 2013]</p> <p>Transcript Variant: This variant (4) lacks an in-frame exon and uses an alternate in-frame exon in the central coding region, compared to variant 1. The encoded isoform (3) is longer, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>