

Product datasheet for **MC221835**

Mcm6 (NM_008567) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mcm6 (NM_008567) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mcm6
Synonyms:	ASP-I1; D1Wsu22e; Mcmd6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221835 representing NM_008567
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGACCTCGCAGCGCCCGGAGCCCGGCCGGAAGCCAGCACCCGGAGGTGCGCGACGAGGTGGCCG
 AGAAATGCCAGAAGCTGTTCTAGACTTCTGGAAGAGTTCCAGGGTAGTGATGGAGAAATTAATACTT
 GCAGTTTGCAGAGGAGCTAATTCGTCCTGAGAGAAACACGCTGGTTGTGAGTTTTGCAGACCTGGAACAA
 TTTAACCAACAACCTTTCTACCACCATTAGGAAGAGTTCTATAGAGTCTACCCCTACCTGTGTCGAGCCT
 TGAAGACCTTTGTCAAAGACCGAAAGGAGATCCCTTTTGTAAAGATTTTATGTTGCATTCCAAGACCT
 ACCTACTAGACACAAGATTTCGTGAGTCACTTCATCCAGGATTGGGCTGCTACCCGAATCAGTGGCCAG
 GTGGTGGCAGTCAACCGTTCACCTGAGCTTGTGAGTGAACCTTCTGTGCCTTGACTGTCAAACAG
 TGATTAAGGACGTAGAGCAGCAGTTCAAATACACACAGCCGAATATCTGCCGAAATCCAGTGTGTCCAA
 CAGGAAGAGGTTCTTCTAGACACTAATAAATCAAGATTTGTTGATTTTCAAAGGTTTCGATTCAAGAG
 ACTCAAGCGGAACTTCCCGGGGAAGTATCCCGGAGTTTAGAGGTTATCCTGAGAGCTGAAGCTGTGG
 AGTCAGCCCAAGCTGGTGACAGATGTGATTTACAGGGGCACTGATTGTTGTGCCTGATGTCTCCAAGCT
 TAGCACACCAGGAGCACGTGCAGAGACTAACTCCCGAGTCACTGGAGCTGATGGGTATGAGACAGAAGGC
 ATTCGAGGGCTCCGGGCCCTTGGTGTGACAGATCTGTCATACAGGCTGGTCTTCTTGCCTGCCATGTTG
 CACCAACCAACCAAGGTTTGGAGGGAAGAAGTCAAGAGATGAGGAACAGACCCGCTGAGAGCATTAAAGAA
 CCAATGACGGTGAAGGAATGGGAAAAGGTGTTGAAATGAGTCAGGACAAAAACCTGTACCACAATCTC
 TGCACGAGCCTCTTCCCTACTATACATGGCAATGATGAAGTAAACCGGTTGCTTACTGATGTTGTTCCG
 GTGGTGTTCCTAAGACAACAGGGGAAGGAACCTCTCTTCGTGGGATATAAATGTTTGGTGTG
 TCCAAGTACAGCTAAGAGCCAATTTCTCAAGCAGTGGACGAGTTCAGTCCCAGAGCTGTCTATACCAAGT
 GGCAAAGCCTCCAGCGCTGCCGGCTTAACAGCAGCTGTGGTGAAGATGAAGAATCTCACGAATTTGTCA
 TTGAGGCTGGAGCGTTGATGCTGGCTGATAATGGTGTCTGTTGATTGATGAATTTGATAAGATGGACAT
 GCGGGACCAAGTTGCTATTACAGAACTATGGAGCAGCAGACCATCTCTATCACGAAAGCAGGAGTGAAG
 GCAACTCTGAATGCCAGGACATCCATTTAGTGCAGCAAACCTGTGAGCGGACACTATGACAGATCAA
 AATCTTTGAAACAGAATCAATCTGTCAGCGCCATCATGTCCCGCTTGTCTCTTCTTCTTCTGTTGTT
 GGATGAATGCAATGAGGTGACAGATTATGCTATTGCCAGGCGCATAGTAGACTTGCAATCAAGAATTGAA
 GAATCGATCGATCGAGTTTATCCCTTGTGATATAAGAAGTACCTTCTTTGCCGACAGTTTAAAC
 CCAAGATTTCAAAGAGTCAGAAGACTTATTGTGGAGCAGTACAACGCTCTCCGCCAGAGGGATGGCTC
 TGGGGTACCAAGTCTCGTGGAGAATCACCGTGCAGCAGCTTGAGAGCATGATCCGACTCTCAGAAATCA
 ATGGCCCGCATGCACTGTGACGAGGTTACGCTAAACATGTGAAGGAAGCTTTTCGATTACTGAATA
 AATCAATCATCCGTGTAGAGACGCTGATGTCAATCTAGATCAAGAGGAAGAGATCCAGATGGAGACGGA
 TGAGGGACAAGGAGGCGTCAATGGTCAATGCCGACAGCCCTGCCCTGTGAATAGGTTCAACGGCTCCAGT
 GAAGATGCCAGCCAGGAGACTGTTTCAAAGCCCTCCCTGAGGCTGGGCTTGTGTAATACTGCCGAATCT
 CGAACCTCATCGTGTCCACCTCAGGAAAATGGAAGAAGAGGAGGACGAGTCGGCACTAAAGAGAAGCGA
 GCTTGTCAACTGGTACCTGAAGGAAATCGAATCAGAGATAGACTCTGAAGAAGAGCTCATAAATAAAAAAG
 ACGATCATTGAGAAGGTTGTTTCATCGTCTCACACTACGATCAGTTCGATTGAGCTCACCCAGGCTG
 GGCTGAAAGGCTCCAGTGAAGGAAGCGAGAGCTATGAGGAAGACCCCTACCTGGTGTGCAACCTAACTA
 CTTGCTTGAAGATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
 ACCN: NM_008567
 Insert Size: 2466 bp

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:	NM_008567.2 , NP_032593.1
RefSeq Size:	2966 bp
RefSeq ORF:	2466 bp
Locus ID:	17219
UniProt ID:	P97311
Cytogenetics:	1 55.8 cM
Gene Summary:	<p>Acts as component of the MCM2-7 complex (MCM complex) which is the putative replicative helicase essential for 'once per cell cycle' DNA replication initiation and elongation in eukaryotic cells. The active ATPase sites in the MCM2-7 ring are formed through the interaction surfaces of two neighboring subunits such that a critical structure of a conserved arginine finger motif is provided in trans relative to the ATP-binding site of the Walker A box of the adjacent subunit. The six ATPase active sites, however, are likely to contribute differentially to the complex helicase activity.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (1).</p>