

Product datasheet for **RN201534**

Mcmdc2 (NM_001024340) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mcmdc2 (NM_001024340) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Mcmdc2
Synonyms:	Mcmdc2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >RN201534 representing NM_001024340
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGAAGATGGGAAGCTTCCAATGAAAGAGGCAGCCCTTGTCTACCTTGACAGAAGTGAGGCCTCC
 AAAAGTTTATGGACGACTGCAAGTACTACAATGATTCAAAACAAAGCTATGCTGTCTACCGTTCAGTAT
 TTTAATAAACCCCTGTGACGTTGTGCAATTAGATGCCGAACTTGCAATCACATCTTACACCATCCTTTA
 AAAGCCGCTCAAGTTTTCCAATCAGTCTGCTTTGTTGCTGTTAAGACTCTCTCGTTAATTGGAAAGTTAC
 AGACTGAAACTCAATCAATATTGTGCTGAAGTTAACACATTTACCGTCCCTGCCAAGCTATAGTCTTGA
 TCTTTGTGAGTTTCCACTAATTATGCGTCTCAGAGATTTATATGATGCAGGGGATTGTGATTGCCATG
 ACAACTGTAACCAAGTACACACAAGGCGCAAGGTTCTCTGTTCCAGATGAAGTATGTCCTTTCTCAAAG
 GATTTCAATATAAAGAGTCCATGTGCCGGTGTACAGAATCTGCAACAGTAAGAAATGACTTTTTATG
 CCGTCTCTGTTTCACTTCAAGAAGACAGAAAATTTAGAGTACTTGGTGATAAACAGATAATCGAA
 ATAATCACCACAAAAGTCTTATGCTTTTCAAGGAGATCCTAAAAACCAGCCATTTAGATTTTCACTCGC
 TTAGTGTTTTCTAAGAGATGAAGTACTAGTGAATAAGATGAAAATAGGAAATGAATATAAAATTATTGGAAT
 TCCAGTCTGTGTCAAAACCTTCAAAAACCTGCTCTGTGTGAGAAGCAAATAGTATCACTCCTTACACAGCA
 AAAGTTCCCTTCAGGAATTAGTGACAACCTCAGGTGTCTCCTCTCCCTGACGTCCAGCTCATGCTGGAGAT
 TCACAGCAACTGCGCAATGTCTTTGCATCACATATTGTTTCTCTGGGAACTTACAATTTGCTCAAACCT
 CTGTTTGTGATGAGCCTAGTCCAGACGAGAGACTGCAGCAGTGAGCGAGAAAACCTGCTTGATATTTTA
 GTTATAACCAAGTACACTCTGCTGTAGACAGACTTTTGAATTTTAGCATGAACCTTGTGTCCTGGGCA
 TACGTCATCCTGTCTGTACTGAAGTTTTCTACTGTGTCCAGAGATAAATATGGAAGTGGAGCAGTAAG
 CATTCAAGCTGGCAGTGCTTTGCTTGTAGGGTGGTGTCTGCTTCATAGGAGACCTAACATCACACAAA
 AAGGATAAACTGGAACAGCTCCAGTCCAGTCTTTGGAGAGCAGAAGCGTCCAGTGTTCATCCAGGAAAGA
 AGTTTGGGGATGATTTGATCAGCAATGACTTTTCCCATTCAATGCAGTTTTTGGTCTTTTGTGATAT
 GGATTCATCTTCAAGGAGAAATGTACAGAAAGCCAGTACTCTGATTGGTCAGATGGATTGCAGTTTGATT
 CCAGCCAACTTGCAGAGGCGTTTGGATTGTTGGTTAACTGCAAGGAGTCTTCTCCGTGCCACCCACTTC
 TTCCTACTGTGCAACACACTTTAAAGAAAGCGGTGGATCCTAAGGGGCCGCTTATTTAGCTTCTAAACA
 GTTCACAACCTGAAGATTTTGAAGCTACTGGCGTTTCAAAGAATTTGAATGTGGAATTCAGTTTGGAG
 GCAGAAAAGATGATTCATGGCTATTATCTAGCGAGTCGAGAATCAGAACAGATTCTATACATGGATCAA
 AGCTGTACAGAAATGCATTAATAATTTAGTTTCTTTATCTGAAGCTCAGCTCGACTGAACTTAAGGAA
 TAAAGTGCTCAGAGAAGATGACTAATTGCAGCCTTATTGTTTCAAATATCCCTCACATTGAAATATGGG
 GCCACCGCGTTTTGTGTTGCTCCCAACGCACTATTTCCATTTGAGCTGTATGATGAGGACTACTTAGAGC
 AGAGAGATCTCTACCTGACTCAGTGCCAACAGCAGCTCCAACACTTATTGCCACATGTGGACCCGGGAC
 AGCTGTCTTTTCTAGTGACGA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001024340
- Insert Size:** 2055 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:

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_001024340.1](#), [NP_001019511.2](#)

RefSeq Size: 3200 bp

RefSeq ORF: 2055 bp

Locus ID: 500392

UniProt ID: [Q5X114](#)

Cytogenetics: 5q11

Gene Summary: Plays an important role in meiotic recombination and associated DNA double-strand break repair.[UniProtKB/Swiss-Prot Function]