

Product datasheet for **MC220466**

Mcmdc2 (NM_177722) Mouse Untagged Clone

Product data:

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|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Mcmdc2 (NM_177722) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Mcmdc2 |
| Synonyms: | 6030422M02Rik |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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Fully Sequenced ORF: >MC220466 representing NM_177722
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGACTCTTCAGATGAAAGAGGCAGCCCTTGCTATCTTGACAGAAGTGAGGCCTCCAAAAGTTTA
 TAGACGACTGCAAGTCTACAATGATTCAAAGCAGAGTTATGCTGTCTATCGGTTCAAGTATTCTAATAGA
 CCCCTGTGACGTTGTTGAATTAGATGCTGACCTTGAAATCACATTTTACACCATCCCTTAAAAGCTGCT
 CGAGTTTTTCAATCAGTCTGCTTTGTTGCTGTTAAGACTCTCTCATTAAATGGACAGTTACAGACTGAAA
 CTCAAATCAATATTGTGCTGAAGTTAACACATTTACCAGCCCTGCCAAGCTATACTCTTGATCTTTGTGA
 GTTCCACTTAATTATGCATCTCAGAGATTTTATATGATGCAAGGAATTGTGATTGCAATGACAATA
 ACCAAGTACACTCAAGGTGCAAGTTCTTGTTGCTCAGATGGAGTGTGCTCTTTCAAAGGATTTTCAGT
 ATGTGAGAGTCCATGTGCTGGAGCTACAGAATCTGCAACAGTAAGAAAATGACTTTTTATGCAGTCTCTG
 TTCATCTTCACTCAAGAAGACAGAAAATTTAGAGTACTTGGTGATAAACAGATAGTTGAAATAATCACC
 ACAAAAATGTTTTCACTGTTTTCAAGGAGACTCTAAAACCAGCCATTTAGGTTTTCACTTGGTATTT
 TCTAAGAGATGAACTAGTGAATAAGATGAAAATAGGAAATGAATATAAAATTATTGGAATTCAGTCTG
 TGTCAAACTTCAAACTGCTCTCTGTGTAGAAGCAAATAATCACTCCACACAGCAAAAGTTCTCT
 TTAGGAATTAGTGACAATTTAGGCGTCTCCTCTCCTTGACTTCGAGCTCGTGTGGAAATTCACAGCAA
 TGCTGGCAATGTCTTTCATCACAGATTGTTGCTCCTGGGACTTACAATTTGCTCAAACTTTGTTTGT
 GATGAGTCTAGTACAGACAAGAGACTGCAACAGGGAACGAGAAGACTGCTGGATATTTAGTTATAACC
 AGTGACACTCTGCTTGTAGACAGACTTTTGAATTTAGCATGAATCTTGTCTCCCGTGGTATACGTCATC
 CTGTCTGTACAGAAAGTTTTCTACAGTGTCCAGAAAATAATATGGAACAGGAGCAGTGAGCATTACAGGC
 CGGCAGTCTTTGCTTGCTAAGGGTGGTATCTGCTTTATAGGAGACCTGACATCCCATAAAAAGATAAA
 CTTGAACAGCTTCAATCAGCTTTGGAGAGCAGAAGCGTTACAGTATTCATCCAGGAAAGAGTTTGGGG
 ATGATTTTCGATCAGCAAATGACTTTTCCATTCAGTGCAGTTTTTGGTCTTTTGTGATATGGATTCATC
 TTCAAGGAGAAAATGTGCAGAAAACCACTACTCTGATTGGTCAGATGGATTGCAGTTTGATTCCAGCCAAC
 CTTGCAGAGGCATTTGGATTACTGATTAAGTGCAGTGGGATCTCCTTGGCCACCCTTCTTCTACTG
 TGCAGCACACTTTAAAGAAAGCAGTGGAGCCTGAGGGGCTGCTGACTTACGCTAAGCAGTTCACAAC
 TGAAGACTTTGAAAAGCTACTGGCTTTTCAAAGAGTTTGAATATGGAATTCAGCTTGAAGCAGAAAGA
 ATGATTCATGGCTATTATCTAGCAAGTGCAGAAATAAGAACAGATTCTATACATGGATCAAGCTGTCAG
 CATCTGCATTAATAATTTAGTGTCTTTATCTGAAGCCACGCCGGCTGAGCCTAAGGACCACAGTGTCT
 CAGAGAAGACGCACTCATCGCAGCCTTGTGTTGGAAATCTCTCTCACACTGAGATACGGGGCCACTCCA
 TTTTGTGTTGCTCCCAATGCATTATTTCCATTTGAGCTGTATAATGAAGAATATTTAGAGCAAAGAGATC
 TCTACCTGACTCAGTGCCAACAGCAGCTCCAACAGTTTATTGCCACATGTGGACCTGGGACAACGTCTT
 TTCTAGTGATGAAT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_177722
- Insert Size:** 2046 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_177722.3](#), [NP_808390.2](#)

RefSeq Size: 2553 bp

RefSeq ORF: 2046 bp

Locus ID: 240697

UniProt ID: [E9Q956](#)

Cytogenetics: 1 A2

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