

Product datasheet for **MC220442**

Mamdc2 (NM_174857) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mamdc2 (NM_174857) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mamdc2
Synonyms:	1200015L10Rik; AI591564; mamcan
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC220442 representing NM_174857
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTACTAGAAGGGTCTGCTGGTAGTGAAGCCTTGACGCTTCCAATGCCCTAGACCTGCCCGCTG
 GCTCCTGCGCCTTTGAAGAAGACACGTGTGGCTTTGACTCCGTGTTTGCCTTCTGCCTTGATACTAAA
 TGAGGAAGGCCATTATGTCTATATGGACACCTCTTTTGCAGGCAAGGGGAGAAAGCTGTCTGCTGAGT
 TCTGATTTGCAGGCTGAGGAGTGAAGTGTGGCCTGGTCTACCAGATAAACCACACCTCCGGGATCTG
 TGTGACACCCAGCCAGCTGAACCTCTATGTGAGATTTGAGGATGAGAGCTTCGATCGCTTGGCTTGGTC
 CACTAAGGAGCCTTCAGACAGCTGGCTCATAGCCAGCCTGGATCTTCAAAACAGCTCCAAGAAATCAAG
 ATTTTGATAGAAGGTGCTCTGGGACAAGGAAACACGGCTAGCATTGCCCTCTTTGAAATCAAGATGACAG
 CCGGCTACTGTATTGAATGTGACTTTGAAGAAAACCATCTCTGTGGCTTTGTGAACCGCTGGAATCCCAA
 TGTGAAGTGGTTCGTGGGAGGAGAACTGCGAAGAACCACCTCCATCCTCCACAGGATCACACCTTC
 AGGAGTGAACACGGCCACTACATGTATGTGGACTCTGTGTATGTCAAGCACTTCCAGGAAGTAGCCAGC
 TCATCTCCCCAGTGACCACAGCCTCCATGTCTGGCTGTCTCTCGTTCTATTACCAGCTTACGAGGGGAA
 TGACAATGTCTTCTGTTTACACACGGGACATGGCTGGCCTGTACGAGGAGATTTGAAAGTGGACAGC
 CCAGGCAATGCAGCCTGGAACCTTGGGAGGTGGAATTTAGTGCTCCTTACCCCATGGAGGTTATTTTTG
 AAGTTGCTTTCAATGGTCCCAAAGGAGGCTACGTTGCCCTGGATGATATTTCTTCTCTCTGTTCACTG
 CCAAAATCAGACAGGGCTTCCTTTCAGTGCTGTGGAAACCAGCTGCGATTTTGAAGATAGGCTCTGCAAC
 TTTTATCAAGACAAGAGGGTCCGGTGGACCAGAGTAAGAGTAAAAGCAAACATGTATCGGGCCGGAG
 ACCACACGACAGGAACAGGGCACTACCTGCTGGCCAACACTAAGTTTACATCCAGCCTGGCTACATCGG
 AAGACTTTATGGTCCCTCTCTCCCTGGAACATGCAGTACTGTGTGCGCTTTCATTACGCCATCTTTGGG
 TTTTTGAAATGAGTGACACCCTAGCCGTTTATATCTTTGAAGAAAACCATGTGGTTCAAGAGAAGATCT
 GGTCTGTGCTCGAGTCCCCGAGGGGTGTTGGATGCAAGCGGAAATCAGTTTCAAGAAGCCTATGCCAC
 AAAGGTGGTTTTTATGAGCCTGTGCAAAAGCTTTGGGACTGTGGCCTGGTAGCCCTGGATGACATTACC
 ATACAAGTAGGAACTGCCGCTCAGCAAGACTTCCACCTCCACCTGGAGAATGCACTTTTGTCAAG
 ATGAATGTGCGTTTACACAGGAGAAAAGGAACCGAAGCAGCTGGCACAGGGGAAGGGGAGAAACGCCAC
 CTCCTACACAGGACCAAGGGAGATCACACTAGGGGTAGTTACTACATGTACATCGAAGCCTCCAC
 ATGGTGTATGGACAGAAAGCACACCTTTTGTCCCAGCCTCTGAGAGGCGTCCCTGGGAAACTGCTTGA
 CGTTTTTCTACCATGTACGGAGCAGGGACTGGCCTGCTGAGTGTATTTTGAAGGGGAAGAAGATAG
 TGAGGAGTCCCTGTTGTGGAGAAGAAGGGGAGAGCAGAGCATCTCCTGGCTGCGGGCACTGGTTGAATAC
 AGCTGCAGGAGGAGACCCAGATAATTTTTGAAGCCACTCGAGGAGTGTCCATAAGAAGTATCGCCA
 TTGATGATGTTAACTTCAGGCAGGGCCGTGTGCAGGAATGGAAGATACTAACTGAACAGTATCAGGATA
 TTCTGAAGACTTAAATGAAATCGAGTAT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_174857
- Insert Size:** 2061 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_174857.3](#), [NP_777282.1](#)

RefSeq Size: 3338 bp

RefSeq ORF: 2061 bp

Locus ID: 71738

UniProt ID: [Q8CG85](#)

Cytogenetics: 19 B