

Product datasheet for **MC223255**

Morc2b (NM_177719) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Morc2b (NM_177719) Mouse Untagged Clone
Tag: Tag Free
Symbol: Morc2b
Synonyms: 4932411A10Rik; Tce6
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC223255 representing NM_177719
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCGTTTACCAATTACAGCACTCTCAACCGGGCTCAACTAACCTTTGACTATCTACACAAAATTCAA
 CTACCCATGCATTTTGGTGGCTCTTGTGAACTGATTGATAATGCGAGGGATGCTGATGCCACCCG
 GATAGATATTTACGCTGAAAAGCGAGAGGACCTCAAGGAGGATTCATGCTTTGTTTTCTGGATAATGGA
 GTCGGAATGGATCCAAACGATGTCAATGTGATCCAGTTTGGGAAATCAGCCAAACGAACACCAGAGT
 CCACACAGATTGGGCGGTACGGGAATGGACTAAAATCAGGCTCAATGCGTATTGGGAAGGATTTTATCCT
 CTTCACTAAGAAAAGAAAACCATGAGTTGCCTCTTCTGTCTCGAACCTTTCATGAGGAAGAAGGCATT
 GATGAGGTGATAGTCCCTTTGCCTACTTGGAAATAGTCAGACACGAGAACCCTGTCACAGATAACATGGAGA
 AGTTTGCCATTGAGACAGAGCTCATCTACAAGTATTCTCCCTCCACACTGAGGAAGAAGTGATGACCCA
 GTTTACAAAGATTTCTGGGACTAGTGGAAACCCTGGTCGTCATTTTCAATCTCAAACCTCACGGACAACGGA
 GAACCCGAAGTACGCTAACTCAAATCCAAAAGATATCCGGATGGCAGAGATCTCCCAAGAAGCGGTGA
 AGCCAGAGCGGCACTCCTTCTGTGCCTACGCTGTGCTGTATATCGATCCTCGGATGAGGATTTTTAT
 TCACGGGCACAAGGTGCAGACCAAAAAGCTCTGCTGCTGTATAAAACCCAGGAAGTACACCTTCACG
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 GGGCCACAGCTGAAAAGGGCATGGTATGTGGTGGGTTGTTGGAGTCATTGATGTGCCCTACTTGGTC
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 GGGAGCACCTGGCACAGTACTGGAAGGACATAGAAATTGCCAGCATGGAATTATTAAGTTCTGGGATGA
 GTTTGGCTACCTTCAGCTAACTGGAACAGACCCCATCTGATGAGTTGCATTTCAAACGCAAGAGGGCT
 ATGCAAGTCCAACCACTATACAGTGTGATTTATGTCTAAAGTGGAGGACCCTCCCTTCCAGTTAAGT



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CTGTAGAAGAAGGTTACCCCATCAACTGGGTTTGTTCATGAACCCTGATCCTGAACAGGACCAGTGTGA
GGCTTTTGAAGTGAAGCAGAAGATTCTCTGGGGATATTAATAAGGCCCGAAGACACAGGAAGAAAGA
CAGAAGCAGTGACAGAGAAAATTAACAGGAGCAGAGGAAGCTTAAGGCCCTCAAGAAAATCAAGCCTA
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TCATATATTTTCAAGGTCCTCAGTCGTCTTCCATGTAGTAAAAACGAATGCCCGACGAAGACCTCAGTCC
AGGCATGCTCCATTAGACAGCTCCAAAGTCTTCTATCATCTGCACCAATCCAAAACCTCCTTTTCTGG
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AACTATACCCCAACCCCACTCTGGTACAATCCCTGTACCATCTGTAGTCCCAAGTCCAACAACCCCT
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CACTGGTGATTTGTGATCATAAGCGGAGTCTGAGGTCTCTGATGAAATAGAAGATGAAGACAGGAGGAA
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TCTGGGGAAGAGAATCCAGTTGACCTCAAGACAGCTCAGAAAGATAAAGGGCTGTATGTGGAGGTACGTA
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CAAGTTTGAGGATATGCCAAGGATAGCACACCAAGAGACTGCTGGGTGAAAAGGGCAGTGAAAATGTA
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CACTACTGCCTCAACAGCCAACCAAGACCATTGACCTCTTGGTCCAAATTTCTCTGGAAGTGCCTACAT
TATTTTCATGCCTCTGAGTTTTCCATATCCAAGAAGGAGCTAGGTGCCATGAATTCAGAAGAATTACTGT
CTCTCCCTCTGAAAGAGTGCTTCAAGCAATATGAAGTCGGACTCCAGAATCTCTGCCGCTCCTACCAAAG
ATGTGCTGACTCACAAGCCAAGGTCTCTGAGGAAAGCCTGCGCATCTCCAGAAAAAACTCCAGGAAACA
GAGGAGAACTCCAGAAGCTGAGGACCAACATTCAGACGCTCTGCAATGGCTCAGCAGGGCATAAACA
TCAGGGCAGATGATGAGCTAGATGCCTACATTGAGGATCTGTGTCAGCAGTGATGACTGA
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

ACCN:

NM_177719

Insert Size:

3069 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_177719.4](#), [NP_808387.2](#)**RefSeq Size:**

3710 bp

RefSeq ORF:

3069 bp

Locus ID: 240069

UniProt ID: [Q8C5W4](#)

Cytogenetics: 17 B1

Gene Summary: Required for chromosomal synapsis and meiotic recombination in males and females.
[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same protein.