

Product datasheet for **MC220103**

Mau2 (NM_001167939) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mau2 (NM_001167939) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mau2
Synonyms:	9130404D08Rik; A930019L04Rik; C77863; C79014; Mau-2; mKIAA0892
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >MC220103 representing NM_001167939
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCGGCACAGGCGCGGCTGCGGCGCAGGCGCGGCTGCAGCTCAGGCTGCCCGGCACAGGCCGCAC
AGGCCGAGGCAGCCGAGTCGTGGTATCTGGCTCTCCTGGGTTTCGCCGAGCACTCCGAACATCTAGCCC
GCCAAGATCCGCTTGTGCGTTCATTGCCTGCAGGCCGTGCCCTTCAAGCCGCTCAGCGGATCGAG
GCCCGGACGCACCTGCAGCTCGGCTCGGTGCTTTACCACCACACGAAGAACAGCGAGCAGGCGCGCAGCC
ACCTGGAGAAGGCGTGGTTGATATCACAGCAAATCCCACAGTTTGAAGATGTTAAATTTGAGGCAGCAAG
CCTGTTGTGAGAGCTGTATTGTCAAGAGAACTCCGTGGATGCAGCAAACCACTGCTGCGAAAGCCATC
CAGATCTACAACAGACGCCATACTGGCACTGTCGCTGCTCTCCAGCTCGCTCAACTGCACACACTGG
AGAAGGACCTGGTATCCGCTGTGACCTCTAGGCGTGGGGCTGAGTATGCCCGAGTGGTGGGATCTGA
ATATAAAGGGCATTATTCCTGCTCAGCAAGGGGATGCTGCTGTTGATGGAGCGCAAACCTGCAAGAGGTG
CACCCACTGCTCACACTGTGTGGGCAGATTGTAGAGAAGTGGCAGGGCAACCCCATCCAGAAGGAGTCCAC
TACGTGCTTCTTCTGCTGCTGCAAGTACCCACTACCTGGATGCTGGGCGAGTGAAGAGCGTCAAGCC
GTGCTGAAGCAGCTGCAGCAGTGCATTAGACCATCTCCACACTACATGATGATGAAATCCTGCCAGC
AACCTGCTGACCTCTCCACTGGCTGCCAAGGAGCAGATGTGTGCTCGTCTACCTGGTACAGTGA
TGATTCGATGCAGGCTGGTTACCTGGAGAAGGCACAGAAGTACACAGACAAGGCGCTCATGCAGTTGGA
GAAGCTTAAGATGCTGGACTGCAGCCCTATCCTGTCGCTTTCCAAGTATCCTGCTGGAGCATATCATC
ATGTGCCGGCTTGTACAGGCCACAAGGCCACTGCACTACAGGAGATCTCCAGGTCTGCCAGCTATGCC
AGCAGTCCCCTAGGCTCTTCCAACCATGCTGCCAGTTGCACACACTGTTGGGCTGTATTGTGTCTC
CGTGAAGTGCATGGATAATGCTGAAGCCCAATTTACCACAGCCCTTCGGCTCACCAACCACAGGAGTTG
TGGCCTTCATCGTGACCAACCTTGCGAGTGTGTATATACGAGAAGGAAATAGACACCAAGAGTACTGT
ACAGTTTGCTTGAGAGGATAAACCCGGACCACAGCTTCCCGTCACTCACACTGCCTCCGAGCAGCAGC
CTTCTACGTGCGAGGGCTCTTCTCCTTCTCCAGGGCCGCTACAACGAAGCCAAGCGTTTCTTCGAGAA
ACTCTGAAGATGTCAAATGCAGAGGACCTGAACCGCTCACAGCCTGCTCCCTTGTGCTGCTGGTCA
TCTTCTATGTGTTGGGAAATCACAGGGAGAGTAACAACATGGTGGTACCTGCCATGCAGCTGGCCAGCAA
GATCCCAGACATGTCTGTGCAGCTGTGGTATCTGCCCTCCTGAGAGACCTAAACAAGGCATGTGGGAAC
GCCATGGATGCCATGAAGCCGCACAGATGCACCAGAACTTCTCACAGCAGCTGCTGCAGGACCACATCG
AGGCTGTAGCCTCCAGAGCACAACTCATTACGATGGCCACCCCTGTGCAGTTCCAAGCTCAGAAT
GGACCAACACCAGCCTGGCCAGCCTTCTGTGAGGCTGTGTCCGCAACTTGGACCAACACTGGAGCTC
TCTGGGAACAAAACCACAGGCTGCCACCAGTCCCTCACATTGTCCAGAGCTAAGCT**AA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001167939
Insert Size: 1953 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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_001167939.1](#), [NP_001161411.1](#)

RefSeq Size: 5365 bp

RefSeq ORF: 1953 bp

Locus ID: 74549

UniProt ID: [Q9D2X5](#)

Cytogenetics: 8 B3.3

Gene Summary: Plays an important role in the loading of the cohesin complex on to DNA. Forms a heterodimeric complex (also known as cohesin loading complex) with NIPBL/SCC2 which mediates the loading of the cohesin complex onto chromatin Plays a role in sister chromatid cohesion and normal progression through prometaphase.[UniProtKB/Swiss-Prot Function]
 Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).