

## Product datasheet for **MC219741**

### **Mau2 (NM\_028993) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Mau2 (NM_028993) 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



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**Fully Sequenced ORF:** >MC219741 representing NM\_028993  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCGCACAGGCGCGGCTGCGGCGCAGGCGCGGCTGCAGCTCAGGCTGCCCGCACAGGCCGCAC  
 AGGCCGAGGCAGCCGAGTCGTGGTATCTGGCTCTCCTGGGTTTCGCCGAGCACTCCGAACATCTAGCCC  
 GCCAAGATCCGCTTGTGCGTTCATTGCCTGCAGGCCGTGCCCTTCAAGCCGCTCAGCGGATCGAG  
 GCCCGGACGCACCTGCAGCTCGGCTCGGTGCTTTACCACCACACGAAGAACAGCGAGCAGGCCGCGCAGCC  
 ACCTGGAGAAGGCGTGGTTGATATCACAGCAAATCCCACAGTTTGAAGATGTTAAATTTGAGGCAGCAAG  
 CCTGTTGTGAGAGCTGTATTGTCAAGAGAACTCCGTGGATGCAGCAAACCCTGCTGCGAAAGCCATC  
 CAGATCTACAACAGACGCCATACTGGCACTGTCGCTGCTTCCAGCTCGCTCACTGCACACACTGG  
 AGAAGGACCTGGTATCCGCTGTGACCTCTAGGCGTGGGGCTGAGTATGCCCGAGTGGTGGGATCTGA  
 ATATAAAGGGCATTATCCTGCTCAGCAAGGGGATGCTGCTGTTGATGGAGCGCAAACCTGCAAGAGGTG  
 CACCCACTGCTCACACTGTGTGGGCAGATTGTAGAGAAGTGGCAGGGCAACCCCATCCAGAAGGAGTCCAC  
 TACGTGCTTCTTCTGCTGCTGACAGGTGACCCACTACCTGGATGCTGGGCGAGTGAAGAGCGTCAAGCC  
 GTGCTGAAGCAGCTGCAGCAGTGCATTAGACCATCTCCACACTACATGATGATGAAATCCTGCCCAGC  
 AACCTGCTGACCTCTCCACTGGCTGCCCAAGGAGCAGATGTGTGCTCGTCTACCTGGTACAGTGA  
 TGATTCGATGCAGGCTGGTTACCTGGAGAAGGCACAGAAGTACACAGACAAGGCCGCTCATGCAGTTGGA  
 GAAGCTTAAGATGCTGGACTGCAGCCCTATCCTGTCGCTTTCCAAGTATCCTGCTGGAGCATATCATC  
 ATGTGCCGGCTTGTACAGGCCACAAGGCCACTGCACTACAGGAGATCTCCAGGTCTGCCAGCTATGCC  
 AGCACTCCCCTAGGCTCTTCTCCAACCATGCTGCCAGTTGCACACACTGTTGGGCTGTATTGTGCTC  
 CGTGAAGTGCATGGATAATGCTGAAGCCCAATTTACCACAGCCCTTCGGCTCACCAACCACAGGAGTTG  
 TGGCCTTCATCGTGACCAACCTTGCGAGTGTGTATATACGAGAAGGAAATAGACACCAAGAGCTGTACA  
 GTTTGCTTGAGAGGATAAACCCGGACCACAGCTTCCCGGTGAGCTCACACTGCCTCCGAGCAGCAGCCTT  
 CTACGTGCGAGGGCTCTTCTCCTTCTCCAGGGCCGCTACAACGAAGCCAAGCGGTTTCTTCGAGAACT  
 CTGAAGATGTCAAATGCAGAGGACCTGAACCGCTCACAGCCTGCTCCCTTGTGCTGCTGGGTACATCT  
 TCTATGTGTTGGGAAATCACAGGGAGAGTAACAACATGGTGGTACCTGCCATGCAGCTGGCCAGCAAGAT  
 CCCAGACATGTCTGTGCAGCTGTGGTCACTGCCCTCCTGAGAGACCTAAACAAGGCATGTGGGAACGCC  
 ATGGATGCCCATGAAGCCGCACAGATGCACCAGAATTCTCACAGCAGCTGCTGCAGGACCACATCGAGG  
 CCTGTAGCCTCCAGAGCACAACCTCATTACGTGGACAGATGGCCACCCCTGTGCAGTCCAAGCTCA  
 GAATGGACCCAACACCAGCCTGGCCAGCCTTCT**GTGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_028993

**Insert Size:** 1857 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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_028993.4</a> , <a href="#">NP_083269.4</a>
<b>RefSeq Size:</b>	5369 bp
<b>RefSeq ORF:</b>	1857 bp
<b>Locus ID:</b>	74549
<b>UniProt ID:</b>	<a href="#">Q9D2X5</a>
<b>Cytogenetics:</b>	8 B3.3
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site in the 3' coding region, compared to variant 1. This difference results in a protein (isoform 2) that is one amino acid shorter than isoform 1.</p>