

## Product datasheet for MC223231

### Col6a1 (NM\_009933) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Col6a1 (NM\_009933) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Col6a1  
**Synonyms:** A1747156; Col6a-1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC223231 representing NM\_009933  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGAGGCTGGCCACGCTCTGCTGCCCTGCTGCTACAAGCTGCTGGGTGGCCACACAGGACATCCAGG  
 GCTCCAAAGCGATTGCCTTCCAAGACTGCCTGTGGATCTATTCTTCGTGCTCGACACCTCGGAGAGTGT  
 GGCCTTGAGGCTGAAACCTTATGGGGCCTTGGTGGACAAGGTGAAGTCCCTCACTAAGCGCTTCATTGAC  
 AACCTGAGAGACAGGTAACCGGTGTGACCGCAACCTGGTTTGGAAATGCGGGTGCCTGCACTACAGTG  
 ACGAGGTGGAGATCATCCGAGGGCTCACGCGCATGCCAGTGGCCGCGATGAGCTCAAGGCCAGCGTGGA  
 TGCGGTCAAGTACTTCGGGAAAGGCACCTACACCGACTGCGCCATTAAGAAGGGGCTGGAGGAGCTGCTC  
 ATAGGGGGCTCCACCTGAAGGAGAACAAGTACTTGATCGTGGTACCGACGGGCATCCTCTAGAGGGCT  
 ACAAGGAACCATGCGGGGCTCTGGAAGATGCAGTAAATGAGGCCAAACACCTGGGCATCAAGTCTTTTC  
 TGTGGCCATCACACCTGACCACCTGGAGCCAGTCTAAGTATCATTGCCACAGACCACACATACCGGCGC  
 AATTTACGGCAGCTGACTGGGGCATAGCCCGGATGCAGAAGAGGTATCAGCCAGACCATTGACACCA  
 TTGTGGACATGATTAATAAATAACGTGGAACAAGTGTGTTGTTCTTTGAGTGCCAGGCTGCCAGAGGACC  
 TCCAGGGCCCCGAGGCGACCCTGGGTATGAGGGGAGCGAGGAAAGCCAGGTCTTCCGGGAGAGAAGGGA  
 GAAGCTGGAGACCCTGGACGACCTGGGGATCTTGACCAGTCCGGTACCGGGTATGAAGGGAGAAAAGG  
 GGAGCCGTGGAGAGAAGGTTCCAGAGGACCGAAAGGTTACAAGGGCGAGAAAAGCAAGCGCGGAATCGA  
 CGGGTTCGACGGCATGAAGGGAGAGACGGGTACCCAGGACTACCGGGCTGCAAGGGCTCCCCAGGATTT  
 GATGGCATTCAAGGACCCCCGGTCCCAAGGGTATGCTGGTGCCTTTGGGATGAAGGGAGAAAAGGGT  
 AAGCTGGAGCAGACGGTGAAGGCTGGGAGACCAGGGAACCTCAGGGTCACTGGAGATGAGGGTATCCTGG  
 AGAGCCTGGTCCCCCGAGAAAAAGGAGAGCCGGTATGAAGGAAATGCTGGCCAGACGGTGCCTCCT  
 GGAGAGAGGGGTGCCCTGGTGAAGAGGACCTCGGGGACCCCTGGTGTGAGAGGACCAAGGGGAGACC  
 CGGGTGAAGCTGGACCACAGGGTACCAAGGAAGAGAGGGGCCCTCGGCATCCCTGGAGACTCGGGTGA  
 GGCTGGCCCCATTGGACCTAAAGGATACCGAGGTGATGAGGGTCTCCAGGTCTGAGGGCTCAGAGGA  
 GCCCAGGACCTGTTGCTCCTCTGGAGACCCGGACTGATGGGTGAGAGAGGTGAGGATGGACCACAG



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GAAACGGCACGGAAGGTTTCCCCGGCTTCCCTGGGTATCCAGGCAACAGAGGCCCTCCTGGGCTAAATGG  
 CACAAAAGGCTACCCTGGCCTCAAGGGGGATGAGGGTGAAGTGGGAGACCCAGGAGAGGATAACAACGAC  
 ATTTACCCCCGTGGGGTCAAAGGGGCAAAGGGATACCGAGGCCAGAAGGACCCAGGGACCTCCAGGAC  
 ATGTGGGACCACCTGGGCCAGATGAGTGTGAGATCCTGGATATCATCATGAAAATGTGCTCCTGCTGTGA  
 GTGCACATGTGGACCCATTGACATCCTCTTCGTGCTGGACAGCTCGGAGAGCATTGGCCTACAGAACTTT  
 GAGATTGCCAAGGACTTCATCATCAAGGTCATTGACCGGTTGAGCAAGGATGAGCTGGTCAAATTTGAGC  
 CAGGGCAGTCTCACGCGGGCTGGTACAGTACAGCCACAACCAGATGCAAGAGCACGTGGACATGCGGAG  
 CCCAACGTCCGCAACGCCAGGACTTCAAAGAAGCTGTCAAGAAGCTACAATGGATGGCTGGTGGCACA  
 TTCACCGGAGAAGCGCTGCAGTACACCCGGGACCGGCTACTCCCACCACACAGAACAACCGAATTGCC  
 TGGTCATTACGGATGGACGTTCTGACACTCAACGGGACACGACACCTCTCAGTGTGCTCTGTGGTGCAGA  
 CATTACAGTAGTTTCTGTGGGAATCAAGGATGTGTTTGGCTTTGTGGCGGGCTCCGACCAGCTCAATGTC  
 ATTTCTGCCAAGGCTTATCGCAAGGTCGGCCAGGTATCTCCCTGGTGAAGGAGAATATGCAGAGCTTC  
 TCGATGACGGCTTTCTGAAGAACATAACAGCCAGATCTGTATAGATAAGAAGTGTCCGGATTATACCTG  
 TCCAATCACATTCTCTCCCGGCTGACATCACCATCCTGCTAGACAGCTCAGCCAGTGTGGCAGCCAC  
 AACTTCGAAACCACCAAGGTCTTCGCAAGCGCCTAGCTGAGCGATTCTGTGTCAGCAGGCAGGGCGGATC  
 CTCCCAGGATGTGCGGGTGGCCGTTGACAGTATAGTGCCAGGGGCAGCAACGCCAGGTGCGGGCGGC  
 TCTTCAGTTCTTACAGAATTACACAGTGTGGCCAGCTCTGTGGACAGCATGGATTTTCATCAACGACGCC  
 ACAGAGTCAACGATGCTCTGAGCTACGTGACTCGTTTCTACCGGGAAGCCTCGTCAGGTGCCACCAAGA  
 AGAGAGTGTGTTGTTTTAGACGGCAACTCTCAGGGGGCCACAGCAGAGGCCATTGAGAAGGCTGTGCA  
 GGAGGCCAGCGTGCAGGCATTGAGATCTTTGTGGTGGTGGTGGGACCCAGGTGAACGAGCCCCACATC  
 CGTGTGCTGTACTGGAAGACTGCAGAGTACGACGTGGCCTTTGGCGAGCGCCACCTATTCGGTGTAC  
 CAAACTACCAGGCCCTGCTACGTGGCGTACTCTACCAGACAGTCTCCAGGAAGGTGGCACTGGGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_009933
- Insert Size:** 3078 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\\_009933.4](#), [NP\\_034063.1](#)
- RefSeq Size:** 3990 bp
- RefSeq ORF:** 3078 bp

Locus ID: 12833  
UniProt ID: [Q04857](#)  
Cytogenetics: 10 39.71 cM  
Gene Summary: Collagen VI acts as a cell-binding protein.[UniProtKB/Swiss-Prot Function]