

## Product datasheet for MC224243

### Col20a1 (NM\_028518) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Col20a1 (NM\_028518) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Col20a1  
**Synonyms:** 1700051112Rik  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC224243 representing NM\_028518  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGAGCCTCAAGGCTCCTACCAACACTTCTGCCTCTGGATGTTCTTGGGCACCACGTTGGCACTGGGGC  
 AGGGACAAGTAAAGTAGCCGCTGAGGCTGGCAGTACTGCCTGAGGACCAGCTGCAGATGAAGTGGAGGGA  
 AGCAGAGGGAAGTGGCCTTGGCTTCTTGGTGCAGGTGACACCTATGGCAGGGGACTTGGAGCAGGAGCTG  
 ATACTGACCACCAAGACCCCAAGGCCACTGTGGGTGGCCTGAACCCCTTCCAAGAGCTACACCTTGCAGA  
 TCTTTGAGCTCACTGACTCGGGGCTATCCTGCTGGCACGAAGGGAGTTTGTGATTGAGGATCTGAAGAG  
 CCAATCTTTGGGCAGAGGCAGCCGGAGGCTGGCTGGAGCCACCCTGGAGCCTACCTCCTTGCCTCTGAGG  
 GGCCAGACTCTGAGAAAACATCTGAGCCAGCATTGCCCTTACCTTAAGCAGGGACCTGCCATTCTTG  
 ATCACCCAGTTCCAATGTACACCCCAACACCTGCTGATATAATCTTCTGGTGGACGGGTCTGGAG  
 CATCGGCCACAACCCTCCAGCAGGTGAAAGACTTCTGGCCAGCATCATCACAAATTTGCAATAGGA  
 CCAGATAAAGTCCAAGTAGTCTGACACAGTACAGTGGAGACCCAGCCAGTGGACCTGAACCTCT  
 TCCAAACCAAGGAGCAAGTGTAGCAGCTGTACACCCTCCGCTACAAGGGAGGAAACACATTCACAGG  
 CTTGCTCTAACCCATGTGCTGGAGCAGAACCTGAAGCCAGCAGCCGGTGTCCGTCAGAGGCAGCCAAA  
 GTGTTGATTCTGGTGACAGATGGCAAGTCCCAGGATGATGTGCGCACAGCTGCCAGGATCCTTAAGGATC  
 AGGACATTGATGCTTTTGTGGGTGTGAAGAAATGTCGATGAGGCTGAGCTGAAGCTCCTGGCGTCCCA  
 GCCACTGGACATCACTGTCCACAACGTGCTGGACTTCCCTCAGCTGGACACCCTAGCTCCTCTGCTCAGC  
 CGACTCATTTGCCAAAAAATTCAGGGCAGAGGCCAGTCAAACCAGCAGCAGGTAAGTCTGGGCTCTGGACC  
 CCCTCCCCAGCCACCAGACTGATCCTGACCCAGCCACCTCATCCAGTATCCACCTGTCTGGACTCC  
 AGCCTTATACCCACCCCTCAAGTATCTAATTGTATGGCAGCCTTCTAGGGGTGGTGCSCCAAGGAGGTG  
 GTGGTGGAGGGGCTGTCTCATCATGGAGCTTGAAACCTGACCTCCAGCACAGAATACTTGGTCTCTG  
 TGCTTCTGTCTATGAGAGTGGGTTGGCAAGAGCCTGCAAGGCCGGGCAACCACAGCACCCCTGCCTCC  
 ACCTGGGCCACTGACCCTAGCTGCAAGTACACCCAGAAGTCTCCAGTACCTGGCCGCCCTCTGCTGGG  
 GTCAGTCACTTGGTGCAGTACTTGGTACCTCCACTGGGAGGAGCAAAAGAGAGAGGTACATG



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TGGGACAGCCTGAGGTA CTGCTGGATGGTCTGGAGCCTGGCCAGGACTATGATGTCTCAGTGCAGAGCCT  
 TCGGGGACCAGAGGCCAGCGAGGTCCAGAGCATCCGTGCCAGGACCTCTGCCCTGGGGCCCCAAGACAC  
 CTGACTTTCTCAGATGTTTCGCTACAACCTCAACCTGTGTCTCTGGGAAGCCAGAGGCCTGTGCGCCTGG  
 TCAAGGTCAGCTACATCTCTAGTGATGGCAGCCACTCTGGGCAGACTCAGGTTCTGGGAACCTTACTTC  
 AGCTACTCTGGGCCACTTTCTTCTCTACCATGTACACCGTCAGAGTCACCTGTTTTTACCTTGGGGGT  
 GGTTCTCCGTGCTGACTGGCCATGTAACCACACAGAAAGCTCCTAGCCCTGGCCAGCTGTCTGTGATGG  
 AGCTCCCGGGAGATGCAGTAAAGCTGTCTGCTGGCCACTGCCTTGTCTGGTGTACTTGTATATCAGAT  
 CAAGTGGATGCCCTTGGGAGAAGGGAAGGCCCGTGAGATCTCTGTCCCAGGGACCCTTGGCACAGCCACC  
 TTGCCTGGCCTGATGAAACATGTGGAATATGAGATCACCATCCTTGCCTACTACAGGGACGGCACTCGCA  
 GCGACCCCGTGTCCCTCCGCTACACCCCTCTGCAGCAAGCAGAAGCCCCCATCCAGCCTGGCCTGTGTC  
 CTCGGAGACCCCCAACAGCCTGCAGGTCAACTGGACACCACCAAGTGGCCATGTCCTCCATTACCGGCTC  
 AACTACACACTGGCCTCAGGCTCTGGACCAGAGAAATCGATCTCTGTACCAGGCACCAGGAGCCATGCCG  
 TGCTTCGTGATCTGATGTCTGCCACGAAGTACAGGGTCTGGTCTCAGCTGTCTACAGAGCAGGGGAGAG  
 CATGGCAGTGTCTGCCACATACCGCACAGCAGCCTGCCAGCCCTGCACCCGGACAGTTCCTCTCAGGG  
 TTTGACCTGATGGTGGCCTTTGGCCTCGTGGCAAAGGAGTATGCCTCTATTTCGAGGAGTTGCCATGGAGC  
 CCTCAGCCTTGGGTGTGGTCCCAACCTTACTCTCTTCAAGGATGCTCAACTGATGCGTCCGGTCACTGA  
 CATCTACCCAGCAACCCTGCCACCAGAACACACATTGTCTTCTTGTGCGTCTACTCCCTGAGACACCC  
 CGGGAAGCCTTTGCACTGTGGCAGATGATGGTGAAGATTTCCAGCCCATCCTCGGGTTCTGTGGATG  
 CTGGCAGAAAGTCTCTGACTTACTTCAACCATGATTCCTGGGCAGCCTTGCAGGAGGTACCTTTGACCT  
 GCAGGATGCAAAGAAGATCTTCTTTGGAAGCTTCCACAAGGTACATATAGCTGTAGGCCACTTAAGGTC  
 AGACTCTATGTGGACTGTGGAAGGTGGCCGAGCGTCCATTGGGGATGCTGGCAGCCACCCACAGGTG  
 GTTTCATCACACTAGGGAGGCTAGCCAAGGCCAGAGGGCCACGGAGCAGCTCAGCCACATTCCAGCTCCA  
 GATGTTGCAAATCGTGTGCACTGATACCTGGGCAGACAAGGACAGGTGTTGTGAGATTCTCAGCTGAGG  
 GATGGAGAGACGTGCCCGCCTTCCCTTACGCTGTGCCACTCATCTGAGACCCCTGGGCCACCAGGGC  
 CCAAGGCCCTCCGGTCTCCCTGGAAGGAACGGCCCTCCAGGACAGCAGGGGCACCCAGGGCCCAAGGG  
 GGAGCCGGGCCACCTGGACAAACAGGACCTGAAGGCCCTGGAGGTGAGCAGGGGTACCAGGGACCCAG  
 GGCCGCGCAGTCCAGGGACCCATGGGGCCACCAGGAGCCAAAGGAGAGAAGGGGGATCAGGGACTTTCAG  
 GCTTGCAGGGCCTCTCTGGCCAGCAAGGCATCCCTGGGAAAACCTGGCCTACAGGGACCAAAGGGCATGAG  
 AGGACTGGAGGGACCTGTGGCCTGCCAGGACCACCTGGCCCCAGGGGTCCAGGGCTTGCAGGGGCC  
 AGGGGCACCAATGGGGAGCGAGGAGCCCCAGGAGCTGTGGTCCCACAGGTCTACCAGGGTCCAAGGTTG  
 AACGAGGAGAGAAGGGAGAGCCACAGTCCCTTGCACCATCTTCCAGCTGGTGTGAGCCAGGCTGCGAGTC  
 AGCCATACGGACACATGTGCTGAAGCTGAATTCCTTCTCCATGAGAATGCCCGTCCCCCAATGCCCTTC  
 ATGGCAGAGACAGCTAAGCTAGGACAGCCAGATCTATAGATCCTGGATTACACAACGAGGCTCTACTTC  
 CTGGAGACTGGGGACATATCCTCCGCCCTGAGGACCAAGGTGAGCCTGTGACTATCAGCCACACAAGCAA  
 CCCTAGACTGCAGGAGGTGCAGACCCAGAAATCCCTGGAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM\_028518
- Insert Size:** 3963 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\\_028518.1](#), [NP\\_082794.1](#)

**RefSeq Size:** 4189 bp

**RefSeq ORF:** 3963 bp

**Locus ID:** 73368

**UniProt ID:** [Q923P0](#)

**Cytogenetics:** 2 H4

**Gene Summary:** Probable collagen protein.[UniProtKB/Swiss-Prot Function]