

## Product datasheet for **MC218153**

### Col13a1 (BC034164) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Col13a1 (BC034164) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Col13a1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**Fully Sequenced ORF:** >BC034164  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGTGGCGGAGCGCACCCGCAAAGCGGCAGCCTCTGGCAGCCGGCCCTGGGGAGCTGGGCGCTCCGG  
 GGCCCGGACAGTGGCGCTGGCTGAGCAGTGCCTAGGCTGCCGAGCCCCGGGTGCTGCGGACTGCTGGC  
 TCTAGCGCTGTGTTTCGCTGGCGCTCAGCCTGCTCGCCACTTTCGGACCCGCGAGCTGCAGGCCCGGGTG  
 CTGCGCTTGAAGCAGAGCGCGGGAGCAGAGATGGAGAAAGCTATTTTGGGACGAGTCAACCAACTGC  
 TGGACGAGAAATGGAAGTTCTACTCGCGTAGGCGCCGGGAAGCCCCGAAGATGTCTCCAGGATGTAAGT  
 CCCACCAGGACCTCCTGGTCCCCTGGAAGACCTGGACTCCCAGGGGACAAGGGTGCCATCGGGATGCT  
 GGACGTGTGGGTGCCCTGGAGATGCGGGGATGTCCATCGTGGGCTCGAGGCCCCCTGGCCAGCCTG  
 GTACCCGAGGTTTCCCTGGATCCCGGGTCCCATTGGTCTTGACGCGAGCCGGGCCACCCCGGACTAA  
 AGGGGAGATGGGCTGGTGGTCTCGAGGACAACCGGGACCTCAGGGACAAAAGGGAGAAAAGGGTCAG  
 TGTGGAGAGTACCCACACAGGGAGTACCCAGGCGGCATGCTAGCAGCTCTGCGCTCCAACCCGATAATGT  
 CCCTAAAGGGGGAACAAAGTCAGACTGGATCCAAGGCCCTCCAGGGCCACCGGGCCCCCAGGACCAAG  
 TGGCCCTCTGGGACACCCAGGACTGCCAGGGCCTATAGGGCCACCTGGTTTACCGGGGCCTCCTGGACCA  
 AAGGGAGACCCAGGGATCCAGGGCTATCATGGCCGAAGGGAGAGCGGGGCATGCCAGGAATGCCAGGCA  
 AGCACGGAGCCAAGGGGTTTCTGGGATTGCCGTGGCTGGGATGAAGGGTGAGCCAGGGACGCCAGGAAC  
 CAAGGGTGAGAAGGGTGCAGCAGGCTCCCTGGCCTCTGGGGCAGAAGGGAGAAAAGGTGATGCTGGC  
 AATGCCATCGGAGGAGCCAGGGGGAGCCTGGCCCCCGGGCTCCCTGGGCCCTGGGCCAAAGGGAG  
 AAGCTGGTGTGATGGCCAGGCTGGGCCCCAGGACAGCAAGGAGACAAGGGGCAGCCAGGAGCAGCTGG  
 TGAACAGGGACCTCTGGCCCCAAGGGTGCCAAGGGTGAACCCGGCAAAGGAGAGATGGTGGATTATAAT  
 GGCAGCATCAACGAGGCGCTTCAGGAGATCAGGACGCTGGCCTTGATGGGCTCCTGGTCTTCTGGAC  
 AAACAGGCCACCCGACCTCCAGGACTCCAGGCCAAAGGGGGAGATTGGACTGCCAGGCCCTCCAGG  
 ACACGATGGGGACAAGGGCCTCGAGGAAAACCAGGAGATGGGGCCGGCTGGTCTCAAGGACCCCCAGG  
 AAAGGATGGGCTCCAGGAATGAAGGGAGAAGTCGACCCCCAGGAAGTCCAGGGGAGAAAAGGGGAGACA  
 GGACAAGCAGGCCCCAGGGAGAGAAAAGGAGAAGCTGGGGAGAAAAGGCGACCCGGGAGCAGAGGTTCTG  
 GGCCGCCAGGGCCAGAGGTCTCCAGGACCTCCGGGCTCCAAGTTTTCTGGACCAAGGGAGAAAGC  
 AGCCTGGAGGGCAGTAA

**ACGGT**ACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** BC034164

**Insert Size:** 1698 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:** [BC034164](#), [AAH34164](#)

**RefSeq Size:** 2957 bp

**RefSeq ORF:** 1697 bp

**Locus ID:** 12817

**Cytogenetics:** 10 B4

**Gene Summary:** Involved in cell-matrix and cell-cell adhesion interactions that are required for normal development. May participate in the linkage between muscle fiber and basement membrane. May play a role in endochondral ossification of bone and branching morphogenesis of lung. Binds heparin. At neuromuscular junctions, may play a role in acetylcholine receptor clustering (PubMed:26626625).[UniProtKB/Swiss-Prot Function]