

## Product datasheet for **MC223869**

### Col6a6 (NM\_172927) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Col6a6 (NM\_172927) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Col6a6  
**Synonyms:** E330019B14; E330026B02Rik  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC223869 representing NM\_172927  
Red=Cloning site Blue=ORF Orange=Stop codon

CTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCCGGCGC  
GCC

ATGCTGCTGGTTTTGTGCTGACAATGATTTGTTCCACGTGTGTGAACCAAGATTCTGGCCCCGAGT  
ACGCAGACGTGGTGTCTGCTGGACAGCTCCGATCACCTAGGGCTTAAGTCCTTCTCTGTGAAAAC  
TTTCATCCACAAGATGATCAGCAGCCTCCCATAGAGGCCAACAAAGTACCGCGTGGCCCTGGCCAGTAC  
AGCGATGCTCTCCACAATGAGTTCAGCTGGGCACCTTCAAGAACAGGAACCCCATGCTGAACCACCTGA  
AGAAGAATTCGGTTCATCGGTGGCTCCCTGAAGATAGGGAACGCCCTGCAGGAGGCTCACAGGACCTA  
TTTCTCTGCTCCCAAAATGGAAGAGACAAGAAACAGTTCACCCCAATCCTGGTGGTGTGGCTTCAGCA  
GAGTCTGAGGATGATGTGGAAGAGGCTGCGAAGGCCCTGCGGGAAGATGGGGTAAAAATCATCTCTGTGG  
GGGTGCAGAAGGCTTCTGAGGAAAACCTGAAGGCGATGGCCACCTCTCAGTTCATTTCAATCTCAGGAC  
TGCCAGAGACCTCAGCGTGTGGCCCAACATGACAGAGATCATCAAGGATGTGACTCAGTACAGGGAA  
GGAATGGCAGATGACATTATTGTAGAAGCCTGCCAAGGCCCTTCTGTGGCTGATGTGGTTCCTGTGG  
ATATGGCCATCAACGGCAGCCAGGAGGACCTAGATCATCTTAAAGCATTCTGGGGCAAGCATCTCTGC  
CCTGGACATAAAGGAAAATTGCATGAGGTTGGCCTGGTACCTATAGCAATGAGACAAGGGTATCAGC  
TCTCTGAGCACGGTAACAACAAGACAGAGTCTTGCAGCGCATACAGGATCTGTCCCTCAAGTAGGGC  
AGGCCACTGAGCTGCCCTCAGAAAGACTAGGAAGGAAATCTTCAAGTGCACAGAGGGGCGAGTCGGAA  
GAACCAAGGGTCCCTCAGATCGCTGTGCTGGTACCCACAGAGCATCAGAAGACAACGTGACCAAGGCA  
GCTGTCAACCTCCGGCGGGAGGGAGTGACCATCTTACCATGGGCATAGAGGGGGCTAACCCAGACGAGC  
TGGAGAAGATCGCATCCACCTGCGGAGCAGTTCACCTCAAAGTGGGCAACTTCTCTGAGCTGGCCAC  
CCACAACCAGACGTTCTGAAGAACTGCGGAACCAAATCACACACCGTCTCTGTCTTCTCAGAACGG  
ACTGAGACCTCAAATCTGCCTGTGTGGACACAGAGGAAGCCGATATCTACTACTATTGATGGTTCAG  
GGAGCACCCAGCCACAGACTTCCATGAAATGAAGACCTTCTGTGAGAGGTTGGTAGGCATGTTCAACAT  
TGCTCCCAACAAGGTGCGAGTAGGGGCCGTGAGTACGCCGACACCTGGGACTTGGAAATTTGAGATCTCT  
AAGTATAGTAACAAGCCTGACTTGGGAAAGGCCATCGAGAATATCAGGCAGATGGGTGGGAATACCAACA



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CAGGGGCGGCTTTGAACTTCACACTGAAGCTGTTGCAAAGAGCAAAGAAGGAACGAGGAAGCAAAGTGCC  
 GTGTACCTGGTGGTTCTGACCAATGGCATGTCTCGGGACAGCGTCCTGGGGCCTGCCATAAGCTGAGA  
 GAGGAAAACATCAGAGTGCATGCGATCGGTGTCAAAGGAAGCCAAACCGCAGCTTCGGGAGATAGCGG  
 GAGAGGAAAAGCGAGTTTACTACGTCCATGAGTTCGATGCCTTGAGGAACATAAGGAACCAAGTGGTTCA  
 GGAGATCTGTGCTGAAGAAGCCTGCAGAGACATGAAAGCGGACATCATGTTTCTGGTGGACAGCTCTGGC  
 AGCATCGGACCTGAAAACCTCAGCAAGATGAAGATGTTTATGAAGAACCTGGTGAACAAATCCCAGATCG  
 GGGCTGACCGGGTGCAAATTGGCGTGGTCCAGTTCAGCCACGAAAACAAGGAGGAGTTTCAGCTCAACAC  
 GTTCATGTCTCAAAGTGACATCGCCAACGCCATTGACCGAATGACTCACATTGGAGAAAACACCTTGACG  
 GGCAGTGCCTGACCTTTGTGTCTCAGTACTTCAGTCCCAGATAAGGGGGCCAGGCCCAATGTCAGGAAGT  
 TCCTATTCTTATCACGGATGGTGAAGGCTCAGGACATAGTAAGGGACCCAGCGATCGCCCTTCGAAAAGA  
 AGGTGTGATTATCTATTCTGTGGGAGTATTCGGCTCCAATGTCACCCAGCTTGAGGAGATCAGTGGAAAAG  
 CCAGAGATGGTTTTCTATGTTGAGAATTTTACATTCTGCAGCATATCGAAGATGACCTCGTTCTGGGGA  
 TCTGCAGTCCCCGTGAAGAATGCAAGCGGATTGAAGTTTTGGATGTGGTGTTCATCGATAGCTCCGG  
 CAGCATTGACTATCAAGAATATAACATCATGAAGGACTTCATGATTGGCTTGGTAAAAAAGCTGACGTG  
 GGCAAGAATCAGGTCCGTTTTGGAGCCCTGAAGTATGCTGATGACCCGAAGTGTGTTTTACCTGGATG  
 AACTAGGCACGAAGCTGGAGGTAGTTTTCAGTGCCTCAGAATGACCATCCCATGGGTGAAAATACTTACAC  
 CGCTGAGGCCCTCGCCTTCTCCGATCACATGTTACCCGAAGCCCGGGGCAGCCGTCTGCACAAGGGAGTC  
 CCCAAGTCTCATTGTGATTACCGACGGGAATCTCATGACGCAGAGAAGCTCAACACCACCGCCAAGG  
 CCCTGAGAGACAAAGGCATTCTCGTCTGGCTGTGGGGATTGCCGGTGCCAACAGCTGGGAGCTCTTGGC  
 CATGGCAGGGTCAAGCGACAAGTACTACTTTGTAGAGACCTTCGGAGGCCTGAAGGGAATATTTCCGAT  
 GTGTGACCCAGTGTCTGTAACCTTCAAAGTTGATTGTGAAATTGAAAAGTTGACCTTGATTCCTCA  
 TGGATGGTTCAAACAGCATCCATCCGGATGACTCCAGAAGATGAAGGGGTTTTTGGTGTGCGTCTGCA  
 AGACTTCGATGTCAGCCTCAACAGAGTCCGATAGGCGTGGCACAGTTCAGCGACAGCTACAGGTCAGAG  
 TTTCTGCTGGGGACGTTTACCGGGGAGAGGGAGATATCCACCCAGATTGAGGGCATCCAGCAGATCTTTG  
 GATACACCACATCGGAGATGCTCTCAGGAAGGTGAAGTATTACTTTAGCCAGACATGGCAGCAGGAT  
 CAACGCAGGTACCCCCAGGTGCTGCTGGTCTCACAGATGGCCGGTCCCAAGACGAGGTAGCTCAGGCC  
 GCCGAGGAGCTGAGACACAAAGGTGTGGACATCTACTCGTGGGCATCGGGGATGTGGATGACCAGGAAT  
 TGGTCCAGATCACGGGGACCGGGAGAAAAAACTGACCGTGCATAACTTCGACGAGCTAAAAAAGGTGAA  
 GAAAAGGATCGTTCGGAACATCTGTACCTCAGGTGGTGAAGCAGTTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Ascl-MIuI
- ACCN:** NM\_172927
- Insert Size:** 3549 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\\_172927.3](#), [NP\\_766515.2](#)

**RefSeq Size:** 3954 bp

**RefSeq ORF:** 3549 bp

**Locus ID:** 245026

**UniProt ID:** [Q8C6K9](#)

**Cytogenetics:** 9 F1

**Gene Summary:** Collagen VI acts as a cell-binding protein.[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (2) uses an alternate splice site, compared to variant 1, that results in an isoform (2) with a shorter and distinct C-terminus, compared to isoform 1.