

## Product datasheet for **RN203891**

### Col23a1 (NM\_181636) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Col23a1 (NM_181636) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Col23a1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN203891 representing NM\_181636  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGCGCGGGCAGCGCGGGCGGGGAGGCACGCAGGACCCGCGCGGGCTGCGGGCGCGGG  
 CGCTGGGCGCGCTGTGCCTGCTGCTGTCGGTGGGCTCTGCGACCGCCTGTCTCCTGCTGGGCGCCAAAGC  
 GGCCGCTTGCATGGCCGAGTGGCGGCGCTGGAGCAGGAGCGCAACTGTTGCGGCGTGCGGGGCGCTCC  
 GGAGCCCTGGCGGCTGGGCCGAAACGCACCTGGAGCGCCTGCTACGGGAGAAGTTGGATGGAGTCGCCA  
 AGCTCAGGACAGTTCGAGAAGCCCCCTCTGAGTGCATCTGTCCCCCTGGTCCCCCTGGACGGCGTGGCAA  
 GCCGGGACGAAGAGGCGACCCAGGCCCTCCGGGGCAATCAGGACGAGATGGTACCCGGGACCTCTAGGT  
 CTGGACGCAAGCCAGGACTTCCAGGCCCAAAGGGGAAAAGGGTGCACCAGGAGACTTTGGCCACGGG  
 GAGCCCAAAGGCAAGATGGAGTGCAGGACCACCTGGGCTCCTGGGCCACCTGGGGCCCGGGCCCTCC  
 TGGTGACTGGGAAAGATGGTCCCCGAGGAGCTCAAGGCCAGAGGGTCCAGAGGAGAGTCTGGACAA  
 GATGGCGAAATGGGCCCATGGGACCTCCAGGACCAAGGGAGAACCTGGCACTCCTGGAAAGAAGGGGG  
 ATGATGGGATACCCAGCCAGCCAGGACTCCCTGGACCCCCAGGGCCAAAGGGTGAGCCAGGAGATGTGGG  
 GCCCAAGGAGAGACTGGAGTAGACGGTGGCCCTGGACTGAAGGGGGAGCCCGGTACCCAGGCACGGAT  
 GGAGCCATAGGGCCCCGGGTCCCCGGGCCTCAAGGGAGAACAAGGTGACACGGTGGTAATCGACTATG  
 ATGGCAGGATCTTAGATGCCCTGAAGGGTCTCCCGGACCACAGGGAGCTCCTGGGCCACCAGGGATCCC  
 TGGAGCCAAGGGTGAACCTGGATTGCCTGGTGCCTCAGGAATCGATGGAGAGAAGGGTCCCAAAGGACCA  
 AAAGGAGACCCAGGAGAGCCTGGACCAGCTGGACCCAAAGGGGAAACAGGAGAGATGGCCCTGTCAGGTC  
 TTCCGGGTGCCGATGGTCCCAAGGGGAGAAAAGGGAGAGTCAGCATCTGACCATCTACAGGAGAGCAGGTC  
 CCAGATCATAGTGGAGCCAGGGCCCCCGGTCTCCTGGGCCCCCGGCCCATGGGCCTTCAGGGGATC  
 CAGGGTCCCAAGGCCTGGATGGAGCCAAGGGGAGAAAAGGGTGCATCGGGTGAGAGAGGCCCTCACGGTC  
 TGCTGGACAGTTGGCCACCAGGCCTTATTGGGTTGCCCGAAACCAAAGGAGAGAAGGGCCGACCCGG  
 AGAGCCAGGACTCGACGGTTTCCCTGGACCCAGGGGAGAGAAAAGGCGACCGAAGTGAACGAGGAGAGAAG  
 GGGGAGCGAGGAGTTCTGGTCCGAAAGGAGTGAAGGCCAGAAGGGAGAGCCAGGCCACCAGGCCTTG  
 ACCAGCCATGCCCTGTGGGCCCCGACGGGTTGCCTGTGCCTGGTTGCTGGCATAAG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM\_181636
- Insert Size:** 1599 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\\_181636.2](#), [NP\\_853667.1](#)

**RefSeq Size:** 2733 bp

**RefSeq ORF:** 1599 bp

**Locus ID:** 353303

**UniProt ID:** [Q810Y4](#)

**Cytogenetics:** 10q21

**Gene Summary:** transmembrane collagen; demonstrates a low affinity interaction with heparin [RGD, Feb 2006]