

## Product datasheet for **SC306821**

### COL23A1 (NM\_173465) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	COL23A1 (NM_173465) Human Untagged Clone
Tag:	Tag Free
Symbol:	COL23A1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >SC306821 representing NM\_173465.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGGCCCAGGCGAGCGCGCCGGTGGCGCGCGACCGGGGAAGGGCAATGCGGCGGGCGCGCGCGGC
GGAGGGCGCTCGGCGACGACGGCCGGTCCCGGGCGGTGAGCGCGCTGTGCCTGCTGCTCCGTGGGC
TCGGCGGCTGCCTGCCTGCTGCTGGGTGTCCAGGCGGCCGCGCTGCAGGGCCGGGTGGCGGCGCTGAG
GAGGAGCGGGAGCTGCTGCGGCGCGCGGGGCCAGGCGCCCTGGACGCCTGGGCCGAGCCGACCTG
GAGCGCTGCTGCGGGAGAAGTTGGACGACTAGCGAAGATCCGGACTGCTCGGGAAGCTCCATCCGAA
TGTGTCTGCCCCAGGGCCCCCTGGACGGCGCGCAAGCCTGGGAGAAGAGGGGACCCCTGGTCTCCA
GGGCAATCAGGACGAGATGGCTACCCGGGACCCCTGGTGGTGGATGGCAAGCCGGACTTCCAGGCCG
AAAGGGAAAAGGTGCACCAGGAGACTTTGGCCCCGGGAGACCAAGGACAAGATGGAGCTGCTGGG
CCTCCGGGGCCCCCTGGACCTCCTGGGGCCGGGGCCCTCCTGGCGACTGGGAAAGATGGCCCCAGG
GGAGCACAAAGGCCAGCGGGCCCAAGGAGAGCCGGACAAGACGGCGAGATGGGCCAAAGGGAGCC
CCAGGGCCCAAGGGTGGAGCTGGAGTACCTGGAAGAAGGGCGACGATGGGACACCAAGCCAGCCTGGA
CCACCAGGGCCCAAGGGCGAGCCAGGGAGCATGGGGCCTCGGGGAGAGAACGGTGTGGACGGTGCCTCA
GGACCGAAGGGGGAGCCTGGCCACCGAGGCACGGATGGAGCTGCAGGGCCCCGGGGTGGCCAGGGCTC
AAGGGCGAGCAGGGAGACACAGTGGTATCGACTATGATGGCAGGATCTTGGATGCCCTCAAGGGGCT
CCCGGACCACAGGGGCCCCAGGGCCACCAGGGATCCCTGGAGCCAAGGGCGAGCTTGGATTGCCCGGT
GCCCCAGGAATCGATGGAGAGAAGGGCCCCAAAGGACAGAAAGGAGACCCAGGAGAGCCTGGGCCAGCA
GGACTCAAAGGGGAAGCAGGCGAGATGGCTTGTCCGGCTCCCGGGCGCTGACGGCTCAAGGGGGAG
AAGGGGAGTCGGCGTCTGACAGCCTACAGGAGAGCCTGGCTCAGCTCATAGTGGAGCCAGGGCCCCCT
GGCCCCCTGGCCCCCAGGCCCGATGGGCTCCAGGGAATCCAGGGTCCCAAGGGCTTGGATGGAGCA
AAGGGAGAGAAGGTGCTGCGGTGAGAGAGGCCCCAGCGGCTGCCTGGCCAGTTGGCCACCGGGC
CTTATTGGGCTGCCAGGAACCAAGGAGAGAAGGGCAGACCCGGGGAGCCAGGACTAGATGGTTTCCCT
GGACCCCGAGGAGAGAAAGGTGATCGGAGCGAGCGTGGAGAGAAGGGAGAACGAGGGTCCCGGGCGG
AAAGGAGTGAAGGGCCAGAAGGGCGAGCCGGGACCACCAGGCCTGGACCAGCCGTGCTCCCGTGGCCCC
GACGGGCTGCCTGTGCCTGGCTGCTGGCATAAGTGA
ACGGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
```

**Restriction Sites:** SgfI-MluI

**Plasmid Map:** □

**ACCN:** NM\_173465

**Insert Size:** 1623 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).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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\\_173465.3](#)

**RefSeq Size:** 3080 bp

**RefSeq ORF:** 1623 bp

**Locus ID:** 91522

**UniProt ID:** [Q86Y22](#)

**Cytogenetics:** 5q35.3

**MW:** 51.9 kDa

**Gene Summary:** COL23A1 is a member of the transmembrane collagens, a subfamily of the nonfibrillar collagens that contain a single pass hydrophobic transmembrane domain (Banyard et al., 2003 [PubMed 12644459]).[supplied by OMIM, Mar 2008]