

Product datasheet for **SC304911**

COL14A1 (NM_021110) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	COL14A1 (NM_021110) Human Untagged Clone
Tag:	Tag Free
Symbol:	COL14A1
Synonyms:	UND
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC304911 representing NM_021110. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC **CGCATCGCC**
ATGAAGATTTTCCAGCGCAAGATGCGGTTACTGGTTGCTTCCACCTTTTTGGCAATTGTTTATTTCTGC
ACCATTGTCCAAGGTCAAGTGGCTCCACCCACAAGGTTAAGATATAATGTAATATCTCATGACAGTATA
CAGATTTTCATGGAAGGCTCCAAGAGGAAATTTGGTGGTTACAACTTCTGTGACTCCAACCTCAGGT
GGAAAACTAACCAGCTGAATCTGCAGAACACTGCAACTAAAGCAATTATTCAAGGCCTTATGCCAGAC
CAGAATTACACAGTTCAAATTATTGCATACAATAAAGATAAAGAAAAGCAAGCCAGCTCAAGGCAATTC
AGAATTAAGATTTAGAAAAAGAAAGGATCCAAAGCCCAGAGTCAAAGTTGTGGACAGAGGAAATGGG
AGTAGACCATCTTACCAGAAGAAGTAAAATTTGTCTGTCAAACCTCCAGCAATTGCTGACATTGTAATC
CTGGTTCGATGGTTCATGGAGTATTGGAAGATTCAACTTCAGACTGGTTCGGCATTCTTGGAAAACCTG
GTTACAGCATTTCGATGTGGGCTCAGAGAAGACACGAATTGGTCTTGCACAGTATAGTGGTGACCCAGCA
ATAGAATGGCACTTGAATGCATTTAGCACAAAAGATGAAGTGAATGAAGCTGTCCGAAACCTCCCATAT
AAAGGAGGAAATACACTAACAGGTCTTGCTTTGAACTACATTTTTGAAAATAGCTTCAAACCAGAAGCA
GGATCAAGGACTGGAGTATCCAAAATGGCATTTAATCACAGATGGAATAATCCCAAGATGACATTATT
CCACCATCTAGAAATCTTCGTGAGTCTGGTGTAGAAGTGTGGCATAGGGGTGAAAAACGCGGATGTG
AATGAGCTGCAGGAGATCGCCTTGAACCAGACGACTCATGTGTACAATGTTGCCGAATTCGATCTG
ATGCACACAGTTGTGGAGAGTCTGACCAGGACTCTCTGCTCTAGAGTGGGAAGAACAGGACAGAGAAATT
AAAGCCTCAGCCCATGCCATCACTGGGCGCCCTACGGAGTTGATTACTTCTGAAGTCACTGCCAGAGC
TTTATGGTTAACTGGACTCATGCCCCAGGAAATGTGAAAAATACAGAGTTGTGTATTATCCTACCAGG
GGTGAAAAACAGACGAGGTGGTGGTAGATGGAAGTGTATCTTCCACAGTGTGAAAACTTGATGTCT
TTAACTGAATATCAGATAGCAGTCTTGAATCTATGCCACACTGCTAGTGAAGCCTACGGGAACT
GAACTACACTTGCTTTACCGATGGCTTCTGACCTTCTACTGTACGAGTACTGAGAACAGCATGCCA
GTCAAATGGGATGCAGTGCCTGGGCGCTCAGGTTACCTGATCCTTTATGCTCCTTAACAGAGGGCCTG
GCTGGGATGAAAAAGAGATGAAAATTTGGAGAGACCCACACAGATATTGAATTGAGTGGGTTGTTGCC



[View online >](#)

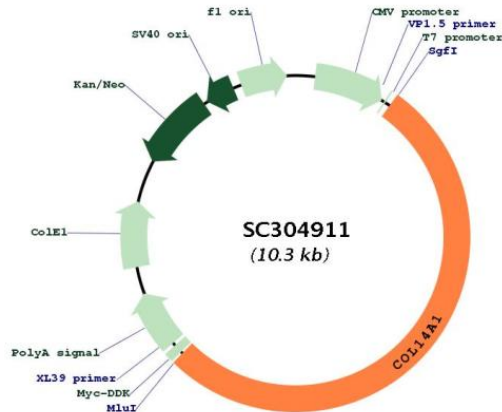
AATACAGAATACACAGTCACAGTTTATGCCATGTTGGAGAAGAGGCCAGTGATCCTGTTACGGGACAA
GAAACAACATTGGCTTTAAGTCCACCAAGAAACCTGAGAAATCTCCAATGTTGGCTCTAACAGTGCTCGA
TTAACCTGGGACCAACTTCAAGACAGATCAATGGTTATCGAATTGTATATAACAATGCAGATGGGACT
GAAATCAATGAGGTTGAAGTCGATCCTATTACTACCTTCCTCTGAAGGGCTTGACACCTCTCACAGAG
TATACTATTGCTATTTTCTCCATCTATGATGAAGGACAGTCAGAGCCTCTGACTGGAGTTTTACCACC
GAGGAAGTTCCAGCCCAGCAATACTTAGAAATTTGATGAGGTGACGACAGACAGTTTTAGGGTGACCTGG
CATCCCCCTCAGCTGATGAAGGGCTACACAAATTTGATGTGGATTCCAGTCTATGGGGGGAAGACTGAG
GAGGTTGCTGAAAGAAGAGCAGGACTCACATGTTATTGAAGGCTGGAGCCCGTACGGAGTATGAA
GTTTCACTATTGGCCGTACTIONTGTGATGGAAGCGAGAGTGAGGTGGTACTGCTGTCCGGACCACTT
GACAGTTTTTGGACAGAACCAGCTACAACCATAGTGCCTACCACATCTGTGACTTCAGTTTTCCAGACG
GGAATCAGAAACCTAGTTGTAGGTGATGAACTACTTCTAGCCTGCGGGTAAAAAGGACATTTCTGAC
AGCGATGTGCAGCAGTTTAGGGTGACCTACATGACAGCTCAAGGGGACCTGAGGAAGAAGTCATAGGA
ACGTTTATGGTGCCTGGAAGCCAGAACAACCTCCTTCTGAAGCCTCTGCTTCTGATACTGAATACAAA
GTCACAGTGACTCCCATCTACACGGATGGCGAAGGCGTCAGCGTCTCCGCTCTGAAAAACCTTACCA
TCCTCGGGGCCCAAGAACTTGCAGGTTGTCGAGGAATGGTATAACCGGTTGCGCATTACGTGGGACCCC
CCATCTTCCCGGTGAAAGGCTATAGAATTGTCTACAAACCTGTCAAGTGTCTGTTCCAACTGGAA
ACGTTTGTGGGAGCTGACATTAACACCATCCTTATCACAACCTCCTCAGCGAATGGACTACAATGTG
AAGATATTTGCCTCCCAGGCCTCAGGCTTCAGCGACGCCCTGACAGGCATGGTAAAAACATTGTTCTTG
GGTGTACCAATCTCAAGCCAAACATGTTGAAATGACCAGCTTGTGTGCCCACTGGCAGGTACATCGC
CATGCCACAGCCTATAGGGTTGTTATAGAATCCCTCCAGGATAGGCAAAAGCAAGAATCCACTGTGGGT
GGAGGGACAACCAGGCATTGCTTCTATGGACTTCAGCCTGATTCTGAATATAAAATCAGTGTTTTACA
AAGCTCCAGGAGATTGAAGGACCTAGTGTGAGCATAATGGAAAAACACAATCACTTCTACACGACCA
CCAACCTTCTCCAACCATCCACCAGCAAAAGAAAGTATGTAAGCGGGCAAGGCTGGTATTT
ATGGTGGATGGATCTGGAGCATTGGAGATGAAAATTTCAATAAGATCATCAGCTTCTATACAGCACT
GTTGGAGCCCTGAACAAGATTGGCACAGATGGAACCAAGTTGCAATGGTTCAGTTCAGTTCAGTATGCCC
AGAACAGAATTTAACTAAATGCTTACAAAACCAAGAGACTCTTCTGTGCAATTAACACATTTCA
TACAAAGGAGGAAATACAAAACAGGAAAAGCAATTAAGTATGTTGAGATACCTTGTCCACTGCAGAG
TCAGGTACAAGAAGGGGCATCCCAAAGTTATCGTGGTTATAACTGATGGAAGATACAAGATGATGTG
AACAAAATCTCCAGGGAGATGCAATTAGATGGCTATAGCATTGTTGCAATGGTGTGGCCGATGCAGAT
TACTCGGAGTTGGTTAGCATTGGCAGTAAGCCCAGCGCACGCCATGTCTTCTTTGGATGACTTTGAC
GCCTTTAAGAAAATCGAAGATGAGTTAATTACTTTTGTCTGCGAAACAGCATCAGCAACCTGCCAGTG
GTACACAAGGATGGCATTGATCTTGCAGGATTTAAGATGATGGAATGTTTGGTTTGGTTGAAAAAGAT
TTTTATCAGTGGAAGGGTTTTCTATGGAGCCTGGTACCTTCAATGTGTTTCCATGTTACCAACTCCAT
AAAGATGCCCTGGTTTCCAGCCAACAGGTACTIONTGCACCCAGAAGGATTGCCCTCCGACTACACAATC
AGTTTTCTATCCGGATTCTTCTGACACTCCACAGGAGCCATTTGCTCTTTGGGAGATTTAAATAAA
AATTCTGACCCATTGGTTGGGGTTATTTAGACAATGGTGGGAAAACCTAACATATTTCAACTATGAC
CAGAGTGGGGATTTCAAACCTGTTACTTTCGAAGGACCTGAAATAGGAAAATTTTTATGGAAGCTTT
CACAAGCTACACATTGTTGTGAGTACTTTGGTCAAAGTGGTTATTGACTGCAAGCAAGTGGGTGAG
AAGGCAATGAACGCATCAGCTAATATCAGTCAGATGGTGTAGAAGTGTAGGGAAAATGGTTCGATCA
AGAGGACCAGGTGAAAACCTCTGCACCGTTCCAGTTACAGATGTTGATATTGTTTGTCCACATCATGG
GCCAATACAGACAAATGCTGTGAACTTCCAGGCCTGAGAGATGATGAGTCTTGCCAGACCTTCCCAT
TCTGCTCCTGTTCTGAAACCAATGAAGTGGCTCTGGGACCAGCGGGCCACCAGGTGGTCCAGGACTC
CGAGGACCAAAGGGCCAGCAAGGTGAACCGGGTCAAAGGGACCAGATGGCCCTCGGGGTGAAATGGT
CTGCCAGGACCTCAGGGTCCACCTGGACCTCAAGGACCAAGTGGTCTGTCCATTCAAGGAATGCCGGGA
ATGCCAGGAGAAAAGGAGAGAAAAGGAGATACTGGCCTTCCAGGTCCACAGGGTATCCCAGGAGGCGTT
GGTTCACCAGGACGTGATGGCTCACCAGGCCAGAGGGCCTTCCGGGAAAGGATGGATCTCGGGACCT
CCAGGACCACCAGGGCCAATAGGCATTCCTGGCACCCCTGGAGTCCAGGGATCACAGGAAGCATGGGA
CCGCAAGGCGCCCTGGGACCACCTGGTGTCCCTGGAGCAAAGGGGGAACGAGGAGAGCGGGTGACCTG
CAGTCTCAAGCCATGGTGTGATCAGTGGCGCTCAAGTATGCGAACAGCTCATCCAGAGTCACATGGCC
AGGTACTACTGCCATCCTCAACCAGATTTCCAGCCACTCCTCATCCATCCGGACTGTCCAAGGGCCTCCT
GGGGAGCTGGGAGGCCAGGCTCACCTGGAGCCCTGGTGAACAAGGACCCCAAGGCACACCAGGCTTC
CCCGAAATGCAGGCGTGCCAGGACCCAGGAGAACGAGGTCTAACTGGTATCAAGGAGAAAAAGGA

```
AATCCAGGCGTTGGAACCAAGGTCCAAGAGGCCCCCTGGACCAGCAGGACCTTCAGGGGAGAGTCGG
CCTGGCAGCCCTGGGCCCTGGCTCTCTGGACCAAGAGGCCACCAGGTATCTGGGGTTCTCTGGA
CCCCAAGGTCTTCTGGCCAGCCTGGATATTGTGACCCCTCATCATGTTCTGCCTATGGTGTGAGAGCT
CCCCATCCAGATCAGCCAGAGTTCACCCCTGTCCAAGATGAGCTGGAAGCCATGGAATGTGGGGCCCT
GGAGTCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites:

Sgfl-Mlul

Plasmid Map:



ACCN:

NM_021110

Insert Size:

5391 bp

OTI Disclaimer:

Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in *E. coli* are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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_021110.3](#)

RefSeq Size: 8020 bp

RefSeq ORF: 5391 bp

Locus ID: 7373

UniProt ID: [Q05707](#)

Cytogenetics: 8q24.12

Protein Families: Transmembrane

MW: 193.5 kDa

Gene Summary: This gene encodes the alpha chain of type XIV collagen, a member of the FACIT (fibril-associated collagens with interrupted triple helices) collagen family. Type XIV collagen interacts with the fibril surface and is involved in the regulation of fibrillogenesis. [provided by RefSeq, Jan 2013]