

Product datasheet for **SC306518**

COL24A1 (NM_152890) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	COL24A1 (NM_152890) Human Untagged Clone
Tag:	Tag Free
Symbol:	COL24A1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC306518 representing NM_152890. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC**CGCATCGCC**
ATGCATTTAAGAGCCACAGAACAAGGCGTGAAAAAGTCTCCCCACGGCAAAACGAAATCACTTCTT
CATTTTATTGTACTATGTGTGGCTGGGTGGTTGTTTCATGCACAAGAACAAGGCATAGATATTCTTCAT
CAACTAGGCCCTTGAGGCAAGACGTAAGACACTCATCACCAGCGACTGCTGTACCATCAGCATCTACA
CCGTTACCTCAGGGGGTCCATTTAACAGAATCAGGAGTCATTTTTAAAAATGATGCTTATATCGAGACA
CCTTTTCGTGAAAAATTTTACCAGTCAACTTGGGGCAGCCGTTTACAATATTAAGTGGTTACAGTCACAT
CGGGTGAACAATGCATTTCTCTCAGCATTAGAAAATAAAATAGACTGCAATTAGGAGTACAATTACTA
CCTAAAAAATTAGTAGTACACATTAGAGGAAAGCAGCCTGCAGTTTCAACTACAGTGTTTCATGATGAG
CAATGGCACTCATTTGCCATTACTATTAGAAACCAAGTGTCTCAATGTTTGTGAGTGTGAAAGAAA
TATTTTAGCACAGAGACTATTCCAGAAGTTCAGACCTTTGATTCTAATAGTGTGTTTACTTTAGGAAGT
ATGAATAATAATTCTATCCATTTGAAGGAATAGTATGTCAGTTAGATATTATTCCTTCTGCAGAAGCA
TCTGCAGACTACTGCAGATATGTGAAACAGCAGTGTGCGCAAGCAGACAAATACCAACCTGAAACAAGC
ATTCTTGTACAACCTCATACCAACAAGATACCGGAACACTCTCCCCGCCCAAACCTATTTGCTGAA
AAAGTACTGTGAGAGTACATTTACTGAAGGCAAAAGCATTCCAATATCATAAAAAATGATTCTGAA
ACCGTGTATAAAAGACAAGAACCAGATATCAAGATCTCAGTTATCTTCTCTTCAGTCAGGAAATGTC
TCTGCTGTGGATCTCACAACCATGGGATTCAGGCCAAAGAAATGATCACTGAGGAAGATACTCAGACA
AATTTTCAGCCTGTGAGTACCACTCATCGCATCAGTGAGGCAAAATGAATACCAAGAGAAATTTAGC
TCTCTCTAAACATGTCTGACAATATCACACAACATGATGATAGAGTAACTGGTCTGTCACTGTTTAAAG
AAGATGCCATCTATTCTCCACAAATTAACAAGATACAATTACTAATCTCAAGAAGGCTATCACAGCA
AATCTACACATAACGAACCTCATGGAATGCAACCAATTTTAAACACAAGCTTGCATAGAGTGACAAAT
GAGCCATCTGTGGATAATCACCTTGATCTAAGGAAAGAAGGTGAATTTTATCCTGATGCTACTTATCCC
ATCGAAAAATAGCTATGAACTGAGCTTTATGATTATTATTATGAGGATCTAAATACAATGCTTGAA
ATGGAGTATCTGAGAGGGCCAAAAGGAGACACTGGACCTCCCGGTCCACCTGGTCCAGCAGGTATCCCA
GGTCCGTGAGGGAAGAGAGGTCCACGGGCATACCAAGGCCACATGGAATCTGTGTTTACCTGGATTA
CCTGGTCCAAAGGGCCCCAAAGGAGATCCAGATTTTCCCCAGGTCAACCTGTTCTGGAGAAAAGGGT



[View online »](#)

GATCAAGGCCTTTCTGGATTAATGGGCCCCCTGGTATGCAAGGTGATAAGGGTCTCAAAGGACATCCT
GGACTCCCAGGACTTCCAGGTGAACAAGGAATTCAGGATTTGCTGGTAATATTGGTTACCCCGGTTAC
CCTGGCAGGCAGGGTTTAGCTGGACCAGAAGGTAATCCAGGTCTAAAGGTGCACAAGGTTTTATTGGC
TCTCCTGGAGAAGCGGGACAACCTGGGACCTGAAGGAGAACGGGGCATTCTGGGATCCGTGGAAAGAAG
GGTTTTAAGGGGAGACAGGGTTTTCCAGGTGACTTTGAGACAGAGGCCCTGCTGGTCTTGATGGCAGT
CCTGGACTTGTAGGTGGCACTGGTCTCCGGGGTTTCTGGGCTTAGAGGCAGTGTTGGCCTGTGGGA
CCAATTGGACCTGCTGGAATTCCTGGCCAATGGGCCTTCAGGGAATAAAGGACTACCTGGAATCAAA
GGTGATAAGGGTGAACAAGGCACAGCAGGAGAGCTAGGAGAACC CGGGTATCCTGGAGACAAGGGTGCT
GTTGGTTTACCAGGACCACCAGGGATGAGAGGAAAGTCAGGGCCTTCAGGCCAAACAGGTGACCCAGGA
CTCCAAGGACCATCTGGCCCTCCAGGACCAGAGGGTTTTCCAGGAGATATTGGGATTCTGGACAAAAC
GGCCCTGAAGGACCAAGGGACTCCTTGAAAATAGAGGACCTCCTGGACCTCCTGGTCTCAAAGGAAC
CAGGGAGAAGAAGGACCAATTGGAGCCTTTGGGAACTGGGGCCAAGAGGAAAACAGGTCAAAAGGGG
TATGCAGGTGAACCAGGACCAGAAGGCTTAAAGGGAGAAGTAGGAGATCAAGGAAATATTGAAAAATT
GGTGAAACAGGACCTGTTGGCTTACCTGGAGAAGTTGGGATGACTGGAAGCATTGGCGAAAAGGGAGAA
CGTGGAAGTCCAGGCCACTAGGTCCGAGGGAGAAAAAGGTGTTATGGGATATCCAGGTCTCCTGGG
GTTCCAGGACCTATCGGTCCATTGGGATTACCTGGTCATGTGGGGCAAGAGGACCACCTGGGAGTCAA
GGTCCTAAAGGACAAAGAGGATCAAGAGGACCAGATGGTCTCTTAGGGGAACAAGGTATACAAGGTGCC
AAGGGTGAAAAAGGAGATCAAGGAAAAAGAGGGCCTCATGGTCTTATTGGTAAGACTGGAACCTTGG
GAAAGAGGATTTCAAGGGAAACAGGTTTACAGGGATTGCCTGGAAGTACAGGTGACAGAGGACTTCCA
GGAGAGCCAGGACTGCGAGGACTGCAAGGTGATGTTGGACCTCCTGGAGAAATGGGCATGGAGGGACCT
CCAGGCACTGAGGGAGAGTCTGGTCTGCAAGGTGAACCAGGTGCAAGGGAGATGTTGGAAGTCTGGC
AGTGTGGAGGAACTGGGGAACCAAGGTTTACGGGGTGAACCAGGAGCTCCTGGAGAAGAAGGTCTCCAG
GGAAAAGATGGGTTAAAGGGAGTACCAGGGAAGGGGACTTCTGGAGAGGATGGAGAAAAAGGAGAG
ATTGGGCTTACCAGGAATTATAGGACCTTGGGTAGATCAGGCCAAACAGGCCTTCGGGACCTGAAGGA
ATTGTGGGAATTCCAGGGCAAGAGGTCTGTCAGGAAAAAAGGGTGATAAAGGACAAATAGGACCCACA
GGAGAAGTTGGAAGCAGAGGTCTCCTGGAAAAATTGGGAAAAGTGGTCCTAAGGGTGCCAGAGGAACT
AGAGGTGCTGTGGGACATTTAGGATTGATGGGACCTGATGGAGAACCAGGAATTCAGGGTACAGGGGC
CATCAGGGCCAACCAGGACCTCTGGATTGCCAGGACCTAAAGGAGAAAAGGGCTACCCAGGAGAAGAT
AGCACAGTCTAGGACCACCTGGGCCTCGAGGTGAACCAGGTCCAGTGGGGGACCAAGGAGAGAGAGGA
GAGCCTGGAGCAGAGGGATATAAGGGCCATGTGGGTGTACCAGGACTAAGAGGTGCCACTGGACAACAA
GGACCCCAGGCGAACCAAGGTGACCAGGTGAACAAGGACTAAAAGGAGAGAGAGGATCTGAAGGTAA
AAGGGGAAAAAAGGAGCTCCTGGTCCTTCTGGGAAACCTGGGATTCTGGACTTCAAGGCCTACTTGGG
CCAAAAGGCATACAAGGATACCATGGAGCAGATGGCATTTCAGGAAACCTGGAAAAATTGGGCCACCA
GGAAAACAGGGACTTCTTGGCATCAGAGGCGGCCAGGAAGAACAGGTCTTGTGGGGCTCCAGGTCTT
CCAGGAGTAAAGGGTTTATCAGGCTTGGCAGGAAGCCAGGAATTCAGGCCCAAGGGTGAAACAAGGG
CTACCTGGTCAACCTGGAATTCAAGGTAAAAGAGGTCAACGAGGAGCACAAGGTGATCAAGGACCATGT
GGAGACCTGGCCTGAAAGGGCAGCCTGGAGAATATGGTGTTCAAGGTTTGACAGGTTTCCAAGGATTC
CCAGGCCCTAAAGGTCTGAAGGGGATGCTGGCATTGTTGGGATATCAGGTCTTAAAGGTCTATTGGA
CACAGAGGAAACACTGGTCCCCTTGGCAGAGAAGGTATAATAGGCCAACAGGTAGAAGTGGACCCAGA
GGTGAAAAGGGCTTTAGAGGTGAACTGGTCCTCAAGGACCAAGAGGTCAACCAGGGCCTCAGGTCCA
CCTGGAGCACCAGGCCCAAGAAAGCAATGGATATCAATGCTGCTATTCAAGCCTTGATTGAATCAAT
ACTGCCCTACAGATGGAGAGCTACCAGAATACTGAAGTGAAGTTAATTGACCACAGTGAAGAGATATTC
AAAACCTGAACTACCTTAGCAATTTATTGCACAGCATCAAGAATCCTCTTGGCACAGGAGATAACCCA
GCACGAATCTGCAAGATTTACTTAAGTGAACAAAAAGTATCAGATGGAAAATACTGGATTGACCCA
AATCTTGGCTGTCCTTCAAGTGCATTGAGTTTTCTGCAATTTCAAGTGTGGTGGCCAGACATGCTTA
CCTCCTGTTTCTGTAACAAAGTTGGAGTTTGGAGTTGGGAAAGTCCAGATGAAGTCTTCTTACTTACTG
AGTTTCGAAGCCACCATATCATCACCATTCACTGTCTAAACACCCCAAGGTGGACAAGCACACAAACA
AGTGGCCAGGATTGCCTATTGGTTTCAAGGGATGGAATGGCCAGATTTTAAAGTAAACACTCTACTT
GAACCTAAAGTGCTTTCAGATGACTGCAAGATTCAAGATGGCAGCTGGCATAAGGCAACATTTCTTTTT
CACACCCAGGAACCTAATCAACTTCCAGTGATTGAAGTACAAAACTTCTCTATCTCAAACTGAACGA
AAGTATTACATTGACAGCAGTTCTGTATGCTTTCTGTA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT

TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	Sgfl-MluI
ACCN:	NM_152890
Insert Size:	5145 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:	<u>NM_152890.5</u>
RefSeq Size:	6500 bp
RefSeq ORF:	5145 bp
Locus ID:	255631
UniProt ID:	<u>Q17RW2</u>
Cytogenetics:	1p22.3
Protein Families:	Transmembrane
MW:	175.5 kDa
Gene Summary:	This gene is a member of the collagen gene family and is thought to regulate type I collagen fibrillogenesis during fetal development. [provided by RefSeq, Mar 2017] Transcript Variant: This variant (1) encodes the longer isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.