

## Product datasheet for **SC214431**

### Collagen I (COL1A1) (NM\_000088) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	Collagen I (COL1A1) (NM_000088) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	COL1A1
Synonyms:	CAFYD; EDSARTH1; EDSC; OI1; OI2; OI3; OI4
ACCN:	NM_000088
Insert Size:	1439 bp



[View online »](#)

**Insert Sequence:** >SC214431 3' UTR clone of NM\_000088  
 The sequence shown below is from the reference sequence of NM\_000088. The complete sequence of this clone may contain minor differences, such as SNPs. **Red**=Cloning site  
**Blue**=Stop Codon

CAATTGGCAGAGCTCAGAATTCAA**GCGATCGC**

ATTCGGCTTCGACGTTGGCCCTGTCTGCTTCTGT**AA**ACTCCCTCCATCCCAACCTGGCTCCCTCCCACC  
 CAACCAACTTTCCCCCAACCCGGAAACAGACAAGCAACCCAACTGAACCCCTCAAAAGCCAAAAAT  
 GGGAGACAATTTACATGGACTTTGGAAAATATTTTTTCTTTGCATTCATCTCTCAAACCTAGTTTTT  
 ATCTTTGACCAACCGAACATGACCAAAAACAAAAGTGCATTCAACCTTACCAAAAAAAAAAAAAAAAA  
 AGAATAAATAAATAACTTTTTAAAAAAGGAAGCTTGGTCCACTGCTTGAAGACCCATGCGGGGTAAGT  
 CCCTTTCTGCCGTTGGGCTTATGAAACCCCAATGCTGCCCTTTCTGCTCTTTCTCCACACCCCTTG  
 GGGCTCCCCTCCACTCTTCCCAAATCTGTCTCCCCAGAAGACACAGGAAACAATGTATTGTCTGCCA  
 GCAATCAAAGGCAATGCTCAAACACCCAAGTGGCCCCACCCTAGCCCGCTCCTGCCCGCCAGCACCC  
 CCAGGCCTGGGGACCTGGGGTTCTCAGACTGCCAAAGAAGCCTTGCCATCTGGCGCTCCCATGGCTCT  
 TGCAACATCTCCCTTCGTTTTGAGGGGGTCAATGCCGGGGAGCCACCAGCCCTCACTGGGTTGCGAG  
 GAGAGTCAGGAAGGGCCACGACAAAGCAGAAACATCGGATTTGGGGAACGCGTGTCAATCCCTTGTGCCG  
 CAGGGCTGGGCGGAGAGACTGTTCTGTTCCTGTGTAAGTGTGTGCTGAAAGACTACCTCGTTCTTGT  
 CTTGATGTGTACCGGGCAACTGCCTGGGGCGGGATGGGGCAGGGTGAAGCGGCTCCCCATTTTA  
 TACCAAGGTGCTACATCTATGTGATGGGTGGGGTGGGAGGGAATCACTGGTGTATAGAAATTGAGAT  
 GCCCCCCAGGCCAGCAAATGTTCTTTTTGTTCAAAGTCTATTTTTATTCCTTGATTTTTCTTTTTT  
 TTTTTTTTTTTTTGTGGATGGGACTTGTGAATTTTTCTAAAGGTGCTATTTAACATGGGAGGAGAGCGT  
 GTGCGGCTCCAGCCAGCCCGTCTACTTTCCACCCTCTCTCCACCTGCCTCTGGCTTCTCAGGCCTC  
 TGCTCTCCGACCTCTCTCTCTGAAACCCTCTCCACAGCTGCAGCCATCCTCCCGGCTCCCTCCTAGT  
 CTGTCTCGCTCTCTGTCCCCGGTTTCAGAGACAACTCCCAAAGCACAAAGCAGTTTTTCCCCTAG  
 GGGTGGGAGGAAGCAAAGACTCTGTACCTATTTGTATGTGTATAATAATTTGAGATGTTTTTAATTAT  
 TTTGATTGCTGGAATAAAGCATGTGAAATGACCCAAAC

**CGGACCG**TTACGCGTAAGCGGCCGCGCATCTAGATTCGAAGAAAATGACCG

**Restriction Sites:** SgfI-RsrI

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:** [NM\\_000088.3](#)

**Summary:**

This gene encodes the pro-alpha1 chains of type I collagen whose triple helix comprises two alpha1 chains and one alpha2 chain. Type I is a fibril-forming collagen found in most connective tissues and is abundant in bone, cornea, dermis and tendon. Mutations in this gene are associated with osteogenesis imperfecta types I-IV, Ehlers-Danlos syndrome type VIIA, Ehlers-Danlos syndrome Classical type, Caffey Disease and idiopathic osteoporosis. Reciprocal translocations between chromosomes 17 and 22, where this gene and the gene for platelet-derived growth factor beta are located, are associated with a particular type of skin tumor called dermatofibrosarcoma protuberans, resulting from unregulated expression of the growth factor. Two transcripts, resulting from the use of alternate polyadenylation signals, have been identified for this gene. [provided by R. Dalgleish, Feb 2008]

**Locus ID:**

1277