

Product datasheet for SC210351

Collagen I (COL1A2) (NM_000089) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: Collagen I (COL1A2) (NM_000089) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: COL1A2
Synonyms: EDSARTH2; EDSCV; OI4
ACCN: NM_000089
Insert Size: 864 bp
Insert Sequence: >SC210351 3'UTR clone of NM_000089
 The sequence shown below is from the reference sequence of NM_000089. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GTGGACATTGGCCAGTCTGTTTCAAAATGAATGAATCAATCTAAATTAAGAAAGAAATTTGAAA
AAACTTTCTTTGCCATTCTTCTTCTTCTTTTTAACTGAAAGCTGAATCCTTCCATTCTTCTGCA
CATCTACTTGCTTAAATTGTGGCAAAAAGAAAAAGAAGGATTGATCAGAGCATTGTGCAATACAGTT
TCATTAACCTCTTCCCCGCTCCCCAAAAATTTGAATTTTTTTTTCAACACTCTTACACCTGTTATGG
AAAATGTCAACCTTTGTAAGAAAACAAAAATAAAATGAAAAATAAAACCATAAACATTTGCACCAC
TTGTGGCTTTTGAATATCTTCCACAGAGGGAAGTTTAAACCCAAACTTCCAAAGGTTTAAACTACCTC
AAAACACTTTCCCATGAGTGTGATCCACATTGTTAGGTGCTGACCTAGACAGAGATGAACTGAGGTCCT
TGTTTTGTTTTGTTTATAATAACAAAGGTGCTAATTAATAGTATTTAGATACTTGAAGAATGTTGATGG
TGCTAGAAGAATTTGAGAAGAAATACTCCTGTATTGAGTTGTATCGTGTGGTGTATTTTTAAAAAATT
TGATTTAGCATTATTTTCCATCTTATCCCAATTAAGATGACAGATTATTTGCCCAATCTTCT
TCAGATTCAGCATTGTTCTTTGCCAGTCTCATTTTCATCTTCTCCATGGTTCCACAGAAGCTTTGTT
TCTTGGGCAAGCAGAAAAATTAATTTGTACCTATTTTGTATATGTGAGATGTTTAAATAAATTTGAAA
AAAATGAAATAAAGCATGTTTGGTTTTCCAAAAGAA
ACGCGTAAGCGGCCGCGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
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Restriction Sites: SgfI-MluI

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).



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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_000089.4
Summary:	This gene encodes the pro-alpha2 chain 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 VIIB, recessive Ehlers-Danlos syndrome Classical type, idiopathic osteoporosis, and atypical Marfan syndrome. Symptoms associated with mutations in this gene, however, tend to be less severe than mutations in the gene for the alpha1 chain of type I collagen (COL1A1) reflecting the different role of alpha2 chains in matrix integrity. Three transcripts, resulting from the use of alternate polyadenylation signals, have been identified for this gene. [provided by R. Dalglish, Feb 2008]
Locus ID:	1278
MW:	33.9