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Product datasheet for SC205957

Collagen II (COL2A1) (NM_033150) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Collagen II (COL2A1) (NM_033150) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	COL2A1
Synonyms:	ANFH; AOM; COL11A3; SEDC; STL1
ACCN:	NM_033150
Insert Size:	470 bp
Insert Sequence:	>SC205957 3'UTR clone of NM_033150 The sequence shown below is from the reference sequence of NM_033150. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC GTGGACATAGGGCCGGTCTGCTTCTTGTAAAAACCTGAACCCAGAAACAACACAATCCGTTGCAAACCC AAAGGACCCAAGTACTTTCCAATCTCAGTCACTCTAGGACTCTGCACTGAATGGCTGACCTGACCTGAT GTCCATTCATCCCACCCTCTCACAGTTCGGACTTTTCTCCCCTCTCTTTCTAAGAGACCTGAACTGGGC AGACTGCAAAATAAAATCTCGGTGTTCTATTTATTTATTGTCTTCCTGTAAGACCTTCGGGTCAAGGCA GAGGCAGGAAACTAACTGGTGTGAGTCAAATGCCCCCTGAGTGACTGCCCCCAGCCCAGGCCAGAAGAC CTCCCTTCAGGTGCCGGGCGCAGGAACTGTGTGTGTCCTACACAATGGTGCTATTCTGTGTCAAACACC TCTGTATTTTTTAAAACATCAATTGATATTAAAAATGAAAAGATTATTGGAAAGTA ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG
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).
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_033150.3

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Summary: This gene encodes the alpha-1 chain of type II collagen, a fibrillar collagen found in cartilage and the vitreous humor of the eye. Mutations in this gene are associated with achondrogenesis, chondrodysplasia, early onset familial osteoarthritis, SED congenita, Langer-Saldino achondrogenesis, Kniest dysplasia, Stickler syndrome type I, and spondyloepimetaphyseal dysplasia Strudwick type. In addition, defects in processing chondrocalcin, a calcium binding protein that is the C-propeptide of this collagen molecule, are also associated with chondrodysplasia. There are two transcripts identified for this gene. [provided by RefSeq, Jul 2008]

Locus ID: 1280

MW: 17.5