

Product datasheet for SC212129

Collagen VI (COL6A1) (NM_001848) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: Collagen VI (COL6A1) (NM_001848) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: COL6A1
Synonyms: BTHLM1; OPLL; UCHMD1
ACCN: NM_001848
Insert Size: 1065 bp
Insert Sequence: >SC212129 3'UTR clone of NM_001848

The sequence shown below is from the reference sequence of NM_001848. 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
ACAGTCTCCAGGAAGGTGGCGCTGGGCTAGCCCACCCTGCACGCCGGCACCAAAACCTGTCTCCACC
CCTCCCCACTCATCACTAAACAGAGTAAAATGTGATGCGAATTTCCCGACCAACCTGATTCGCTAGAT
TTTTTTTAAAGGAAAAGCTTGAAAAGCCAGGACACAACGCTGCTGCCTGCTTTGTGCAGGGTCTCCGGG
GCTCAGCCCTGAGTTGGCATCACCTGCGCAGGGCCCTCTGGGGCTCAGCCCTGAGCTAGTGTACCTGC
ACAGGGCCCTCTGAGGCTCAGCCCTGAGCTGGCGTCACCTGTGCAGGGCCCTCTGGGGCTCAGCCCTGA
GCTGGCCCTCACCTGGGTTCCCCACCCGGGCTCTCCTGCCCTGCCCTCCTGCCGCCCTCCCTCCTGCC
TGCGCAGCTCCTCCCTAGGCACCTCTGTGCTGCATCCCACCAGCCTGAGCAAGACGCCCTCTCGGGGC
CTGTGCCGCACTAGCCTCCCTCCTCTGTCCCATAGCTGGTTTTCCACCAATCCTCACCTAACAG
TTACTTTACAATTAACCTCAAAGCAAGCTTCTCCTCAGCTTGGGGCAGCCATTGGCCTCTGTCTCGT
TTTGGGAAACCAAGGTCAGGAGGCGTTGCAGACATAAATCTCGGCGACTCGGCCCGTCTCCTGAGGG
TCCTGCTGGTGACCGCCTGGACCTTGGCCCTACAGCCCTGGAGGCGCTGCTGACCAGCACTGACCCC
GACCTCAGAGAGTACTCGAGGGGCGCTGGCTGCACTCAAGACCCTCGAGATTAACGGTGCTAACCCCG
TCTGCTCCTCCCTCCCGCAGAGACTGGGGCCTGGACTGGACATGAGAGCCCTTGGTGCCACAGAGGGC
TGTGTCTTACTAGAAACAACGCAAACCTCCTTCCCTCAGAATAGTGTGTGTTGCGAGTTTTATCAA
GGCCCCCTTTCTATGTTTCATGTTAGTTTTGCTCCTTCTGTGTTTTTTCTGAACCATATCCATGTTGCT
GACTTTTCAAATAAAGGTTTTCACTCCTC
ACGCGTAAGCGGCCGCGCATCTAGATTGAAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
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Restriction Sites: SgfI-MluI



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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:	<u>NM_001848.3</u>
Summary:	The collagens are a superfamily of proteins that play a role in maintaining the integrity of various tissues. Collagens are extracellular matrix proteins and have a triple-helical domain as their common structural element. Collagen VI is a major structural component of microfibrils. The basic structural unit of collagen VI is a heterotrimer of the alpha1(VI), alpha2(VI), and alpha3(VI) chains. The alpha2(VI) and alpha3(VI) chains are encoded by the COL6A2 and COL6A3 genes, respectively. The protein encoded by this gene is the alpha 1 subunit of type VI collagen (alpha1(VI) chain). Mutations in the genes that code for the collagen VI subunits result in the autosomal dominant disorder, Bethlem myopathy. [provided by RefSeq, Jul 2008]
Locus ID:	1291
MW:	38.3