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Product datasheet for SC209806

Collagen VI (COL6A3) (NM_057166) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Collagen VI (COL6A3) (NM_057166) Human 3' UTR Clone
Symbol:	Collagen VI
Synonyms:	BTHLM1; DYT27; UCMD1
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_057166
Insert Size:	786 bp
Insert Sequence:	>SC209806 3'UTR clone of NM_057166 The sequence shown below is from the reference sequence of NM_057166. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC CCCGGAGTCATCAGTGTGATGGGAACCTAAGCGTGGGTGGCCAACATCATATACCTCTTGAAGAAGAAG GAGTCAGCCATCGCCAACTTGTCTCTGTAGAAGCTCCGGGTGTAGATTCCCTTGCACTGTATCATTTCA TGCTTTGATTTACACTCGAACTCGGGAGGGAACATCCTGCTGCATGACCTATCAGTATGGTGCTAATGT GTCTGTGGACCCTCGCTCTCTGTCTCCAGGCAGTTCTCTCGAATACTTTGAATGTTGTGTAACAGTTAG CCACTGCTGGTGTTTATGTGAACATTCCTATCAATCCAAATTCCCTCTGGAGTTTCATGTTATGCCTGT TGCAGGCAAATGTAAAGTCTAGAAAATAATGCAAATGTCACGGCTACTCTATATACTTTTGCTTGGTTC ATTTTTTTTCCCTTTTAGTTAAGCATGACTTTAGATGGGAAGCCTGTGTATCGTGGAGAAACAAGAGAC CAACTTTTTCATTCCCTGCCCCCAATTTCCCAGACTAGATTTCAAGCTAATTTTCTTTTTCTGAAGCCT CTAACAAATGATCTAGTTCAGAAGGAAGCAAAATCCCTTAATCTATGTGCACCGTTGGGACCAATGCCT TAATTAAAGAATTTAAAAAAGTTGTAATAGAGAATATTTTTGGCATTCCTCTAATGTTGTGTGTTTTTT TTTTGTGTGTGCTGGAGGGAGGGGATTTAATTTTAATTTTAAAATGTTTAGGAAATTTATACAAAGAAA CTTTTTAATAAAGTATATTGAAAGTTT ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG
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: NM_057166.5

Summary: This gene encodes the alpha-3 chain, one of the three alpha chains of type VI collagen, a beaded filament collagen found in most connective tissues. The alpha-3 chain of type VI collagen is much larger than the alpha-1 and -2 chains. This difference in size is largely due to an increase in the number of subdomains, similar to von Willebrand Factor type A domains, that are found in the amino terminal globular domain of all the alpha chains. These domains have been shown to bind extracellular matrix proteins, an interaction that explains the importance of this collagen in organizing matrix components. Mutations in the type VI collagen genes are associated with Bethlem myopathy, a rare autosomal dominant proximal myopathy with early childhood onset. Mutations in this gene are also a cause of Ullrich congenital muscular dystrophy, also referred to as Ullrich scleroatonic muscular dystrophy, an autosomal recessive congenital myopathy that is more severe than Bethlem myopathy. Multiple transcript variants have been identified, but the full-length nature of only some of these variants has been described. [provided by RefSeq, Jun 2009]

Locus ID: 1293

MW: 29.9