

Product datasheet for SC211577

Collagen XI alpha 2 (COL11A2) (NM_080681) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: Collagen XI alpha 2 (COL11A2) (NM_080681) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: COL11A2
Synonyms: DFNA13; DFNB53; FBCG2; HKE5; OSMEDA; OSMEDB; PARP; STL3
ACCN: NM_080681
Insert Size: 1014 bp
Insert Sequence: >SC211577 3'UTR clone of NM_080681
 The sequence shown below is from the reference sequence of NM_080681. 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
CTGCTGGGGCCTGTCTGCTTCATGGGATAGGACCGTCTCTGTCTGATCCTGTCCATTGGAACCAAGGCC
CACCTGGAATCCCACAACATCAGCTCTGTGCCACCTCCCAAGAGGGCTCCTCACTATCTAGGGAGCCCT
GGGCCAGGGCGTGGAGAGCCCTCAGTCGGGGCAGGCCAGGGGAGGGTGAAGTGGTTGCCTGGACACCC
CACGGGAGGAGTGGCATCTGGGGCTCTTGCCCTCCACCTGGAGCCTGTTACCCGTTAGAGAGCTGAG
ACCCTTATTTAAACTCACCTCCCAATCACCCAAACAAATGGAAGAGAAGAGAAAGGACATGGCGTAT
TTTGTATTTAAAGTAATTGTATTAATTATTTAAAGTGTGAAAGCAAAATAACAAAAAGAGAAACGC
CAACAAAAATCAGCAGATGTTGAAGACAGGGGTCTCGGGGTGGGCTCCGGCACCCACATCCTGGAGTC
AGGACTTTCCTCAGTGACTGTGTGAGGGGGTTTCAGGGCTGAACCCACCTCCCTCCACCTTCCTC
CCACCTCACCTGTCGCACCCACTGTGAAAGTTGGAATATGTGGTCTCCCTGGCCTCAGGGCTCTGACTC
TGCCAGGGTGGGGCTCTCTAACCACAGGTGTTGGCTGCCTGGCCATGTGCCACTGTCTTCCACT
TGGTCTGGGTTTGGCAGGCACTGCCTGCTACTTGAGGGCCAGGATGCTCCCCAGGGAAGAAACGGAAT
AGTGTGGGGTGTGTGCAGGGCTGCATCCCGCAGATGGCTGGAATATTTAAATTCTTCTATATTGGCTGG
TAAATTGCCATGGCCCTGAGCCACTGAGTATGTTTCATTGCCACCCCTGTCCCTCCCTGGGCACCCCTC
ACTTTCCCTGATCCTGCAATTAAGGGTTAATGTGTGGCATAATGGAAGGGACTCCAGGACCCCTGTGCC
CAGCTTCCATGCTGACTGATGGTTAAATAATGTGATTGTCTCCTCCCA
ACGCGTAAAGCGGCCGCGGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
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:	NM_080681.3
Summary:	This gene encodes one of the two alpha chains of type XI collagen, a minor fibrillar collagen. It is located on chromosome 6 very close to but separate from the gene for retinoid X receptor beta. Type XI collagen is a heterotrimer but the third alpha chain is a post-translationally modified alpha 1 type II chain. Proteolytic processing of this type XI chain produces PARP, a proline/arginine-rich protein that is an amino terminal domain. Mutations in this gene are associated with type III Stickler syndrome, otospondylomegaepiphyseal dysplasia (OSMED syndrome), Weissenbacher-Zweymuller syndrome, autosomal dominant non-syndromic sensorineural type 13 deafness (DFNA13), and autosomal recessive non-syndromic sensorineural type 53 deafness (DFNB53). Alternative splicing results in multiple transcript variants. A related pseudogene is located nearby on chromosome 6. [provided by RefSeq, Jul 2009]
Locus ID:	1302
MW:	36.6