

## Product datasheet for **SC214470**

### Collagen IV alpha 6 (COL4A6) (NM\_033641) Human 3' UTR Clone

#### Product data:

|               |                                                             |
|---------------|-------------------------------------------------------------|
| Product Type: | 3' UTR Clones                                               |
| Product Name: | Collagen IV alpha 6 (COL4A6) (NM_033641) Human 3' UTR Clone |
| Vector:       | pMirTarget (PS100062)                                       |
| Symbol:       | COL4A6                                                      |
| Synonyms:     | CXDELq22.3; DELXq22.3; DFNX6                                |
| ACCN:         | NM_033641                                                   |
| Insert Size:  | 1416 bp                                                     |



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**Insert Sequence:** >SC214470 3'UTR clone of NM\_033641  
 The sequence shown below is from the reference sequence of NM\_033641. 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
CGCTGCCAGGTGTGTATGAAAAGCCTGTAGGGTGGCACCTGCCACTCTGCCCTTGCCTCCCTGCC
CTCACAACAGTCACCTCACAACCTGAATGGTCTGAAGAAGGAAGGCTGAGCCCTTTGCCTGTCAAG
TTGTACATTGGAGTCTCATTGGGCTAGACTACCGGACACTCGTCACCCAGCCCTGGGTCCATAGAG
ATGAGCCACCCTGCTGAGATCTGCTGTCTGTTCTGTCAAGCTGGTGTACTGTTGATTGGATGA
TTGTGTGACTATTCATGGCTACCTCAGAAAAGATTTGATGGGCCACAAGTCTTAGACTGCTAGCTTTC
TCCTTACCGTCTTGATCGGAAAGCTCTTCTAATCGTAATCAGTCATTTCTTACGTACAGAGGTCAG
CACACATTATTTGGCTTAAACCAGAACCAGTGTTCACACTTAAATTCTAACCGAATATTCATGG
ATGGCTCAAGTCTGCACAGAGCAAGTCCCTACTTCAAGGAGGCCCACTGTGTCTAGGCAGGCAAGAG
AATTGAAATGAGGTGCCACCCAGTAGCCAGAGTGAGCTTTAGCTCTCTAGAAATGAGCAAGACTGGG
CCCCACATGGCTTAGAGAGGCTTGAAGGCCAGCAGCTGGGTTGGGGTGGTGGTCATTAATGGCATATG
GTCCTAGACAAACCATCTCCTCCTTGGCGGCTCCCTCCAGCCAGAGACAGAGGATGTGGCCTGGTTC
AAAGTAAAGCAGAGGATGCAACAAATGTGGCCAAGCCTATCAAAGGAAATGAGAAATGACAGCCTTTTTT
CCTGGGCCAGAAGTAGAGGGTGGGTGCGTAAGGATGTGTGAGTTTTGCTTTTACTCCAGGAACAAAA
AGGTAATCCCACATCCCAGTTTCTCAGAAGTCCCTGTTTATTCCAAATGCCATCCAGATGTGTGCAAT
GTGGCAAACTGAAGCTGCACAGTGTGGTTTCTTGTATTCTGAGGATGTTAAAGACTTTGTTAAATGG
TTATCCAATTGCTTTTACAGGTAGCCTATAAACTATTTAATATGTTTTTTAAACCTCATAAAAA
TCTAGCAGACTCTTCTTGGAGCAGTTAGCAGACCTAAAGCAAGCCTGAATTGGCTATGCAGTACATTG
TATTCTGTTTGGGGGAATTTGTTTTAGCCATTTTCTTAAATTACAGTTTTCCAGAACACTTTAGCTA
TGTTGACATGAGGCAGTTCCTTCCAGGTGATTCTGTTTCTTAAAGTATTATATAAACTGTGCCAATACA
GACAAAGCATAATCAATATAATCTGAATTATTGTTATCTTTACCTCCTGAGTAATAAGCATGGTGTGAC
TTTTGTACATAGCAAATAAAATAAATGAAATCTGAA
ACGCGTAAAGCGCCGCGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
  
```

**Restriction Sites:** Sgfl-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\\_033641.4](#)

**Summary:** This gene encodes one of the six subunits of type IV collagen, the major structural component of basement membranes. Like the other members of the type IV collagen gene family, this gene is organized in a head-to-head conformation with another type IV collagen gene, alpha 5 type IV collagen, so that the gene pair shares a common promoter. Deletions in the alpha 5 gene that extend into the alpha 6 gene result in diffuse leiomyomatosis accompanying the X-linked Alport syndrome caused by the deletion in the alpha 5 gene. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Dec 2013]

Locus ID: 1288

MW: 52.8