

## Collagen alpha-1(XII) chain Recombinant Protein | COL12A1 recombinant protein

Recombinant Human Collagen alpha-1(XII) chain

|                               |                                                                 |
|-------------------------------|-----------------------------------------------------------------|
| CATALOG #<br><b>AAA117357</b> | HOST<br><b>E Coli or Yeast or Baculovirus or Mammalian Cell</b> |
|-------------------------------|-----------------------------------------------------------------|

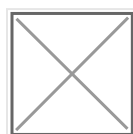
### PRODUCT SYNONYMS

Collagen alpha-1(XII) chain; Recombinant Human Collagen alpha-1(XII) chain; Homo sapiens (Human); COL12A1 recombinant protein

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                         |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | E Coli or Yeast or Baculovirus or Mammalian Cell                                                                                                                                                        |
| Purity/Purification     | Greater or equal to 85% purity as determined by SDS-PAGE.                                                                                                                                               |
| Form/Format             | Lyophilized or liquid (Format to be determined during the manufacturing process)                                                                                                                        |
| Sequence Positions      | 140-316aa? Partial                                                                                                                                                                                      |
| Sequence                | DLVFLVDGSW SVGRNNFKYI LDFIAALVSA FDIGEEKTRV GVVQYSSDTR TEFNLNQYYQ RDELLAAIKK<br>IPYKGGNTMT GDAIDYLVKN TFTESAGARV GFPKVAIIT DGKSQDEVEI PARELRNVGV EVFSLGIKAA<br>DAKELKQIAS TPSLNHVFNV ANFDAIVDIQ NEIISQV |
| Species                 | Homo sapiens (Human)                                                                                                                                                                                    |
| Preparation and Storage | Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.                                                                                                                  |

### IMAGES



SDS-PAGE

### ADDITIONAL INFORMATION

|                                                             |                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for COL12A1 recombinant protein | Type XII collagen interacts with type I collagen-containing fibrils, the COL1 domain could be associated with the surface of the fibrils, and the COL2 and NC3 domains may be localized in the perifibrillar matrix.                                                                                                                                                   |
| Product Categories/Family for COL12A1 recombinant protein   | <a href="#">Signal Transduction</a>                                                                                                                                                                                                                                                                                                                                    |
| References                                                  | "Complete primary structure of two splice variants of collagen XII, and assignment of alpha 1(XII) collagen (COL12A1), alpha 1(IX) collagen (COL9A1), and alpha 1(XIX) collagen (COL19A1) to human chromosome 6q12-q13." Gerecke D.R., Olson P.F., Koch M., Knoll J.H.M., Taylor R., Hudson D.L., Champlaud M.-F., Olsen B.R., Burgeson R.E. Genomics 41:236-242(1997) |

### NCBI AND UNIPROT INFORMATION

|                  |                             |
|------------------|-----------------------------|
| NCBI GI #        | 93141047                    |
| NCBI GeneID      | 1303                        |
| NCBI Accession # | <a href="#">NP_004361.3</a> |

|                                  |                                                        |
|----------------------------------|--------------------------------------------------------|
| NCBI GenBank Nucleotide #        | NM_004370.5                                            |
| UniProt Accession #              | Q99715; O43853; Q15955; Q5VYK1; Q5VYK2; Q71UR3; Q99716 |
| Molecular Weight                 | 23.5 kDa                                               |
| NCBI Official Full Name          | collagen alpha-1(XII) chain long isoform               |
| NCBI Official Synonym Full Names | collagen type XII alpha 1                              |
| NCBI Official Symbol             | COL12A1                                                |
| NCBI Official Synonym Symbols    | COL12A1L; BA209D8.1; DJ234P15.1                        |
| NCBI Protein Information         | collagen alpha-1(XII) chain                            |
| UniProt Protein Name             | Collagen alpha-1(XII) chain                            |
| UniProt Gene Name                | <b>COL12A1</b>                                         |
| UniProt Synonym Gene Names       | COL12A1L                                               |
| UniProt Entry Name               | COCA1_HUMAN                                            |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/col12a1-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/117357>