

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

Recombinant Gallus gallus Collagen alpha-1(XII) chain

CATALOG # AAA113279	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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PRODUCT SYNONYMS

Collagen alpha-1(XII) chain; Recombinant Gallus gallus Collagen alpha-1(XII) chain; Fibrochimerin; 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	139-311aa; Partial
Sequence	DLVFLVDGSW SVGRNNFRYI LDFMVALVSA FDIGEEKTRV GVVQYSSDTR TEFNLNQYFR RSDLLDAIKR IPYKGGNTMT GEADYLVKN TFTESAGARK GFPKVAIVIT DGKAQDEVEI PARELRNIGV EVFSLGIKAA DAKELKLIAS QPSLKHVFNV ANFDGIVDIQ NEI
Sequence Length	1,960
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 perifrillar matrix.
References	The complete primary structure of type XII collagen shows a chimeric molecule with reiterated fibronectin type III motifs, von Willebrand factor A motifs, a domain homologous to a noncollagenous region of type IX collagen, and short collagenous domains with an Arg-Gly-Asp site. Yamagata M., Yamada K.M., Yamada S.S., Shinomura T., Tanaka H., Nishida Y., Obara M., Kimata K.J. Cell Biol. 115:209-221(1991) Type XII collagen. A large multidomain molecule with partial homology to type IX collagen. Gordon M.K., Gerecke D.R., Dublet B., van der Rest M., Olsen B.R.J. Biol. Chem. 264:19772-19778(1989) Type XII collagen distinct extracellular matrix component discovered by cDNA cloning. Gordon M.K., Gerecke D.R., Olsen B.R. Proc. Natl. Acad. Sci. U.S.A. 84:6040-6044(1987) The two splice variants of collagen XII share a common 5' end. Trueb J., Trueb B. Biochim. Biophys. Acta 1171:97-98(1992) Large and small splice variants of collagen XII differential expression and ligand binding. Koch M., Bohrmann B., Matthison M., Hagios C., Trueb B., Chiquet M.J. Cell Biol. 130:1005-1014(1995)

NCBI AND UNIPROT INFORMATION

NCBI GI #	2506307
UniProt Accession #	P13944; Q04509

Molecular Weight	21.3 kDa
NCBI Official Full Name	Collagen alpha-1(XII) chain
UniProt Protein Name	Collagen alpha-1(XII) chain
UniProt Gene Name	COL12A1
UniProt Entry Name	COCA1_CHICK

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/113279>