

# Recombinant Gallus gallus Collagen alpha-1(XII) chain

Catalog No: #AP72505

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

Package Size: #AP72505-1 20ug #AP72505-2 100ug #AP72505-3 1mg

## Description

Product Name	Recombinant Gallus gallus Collagen alpha-1(XII) chain
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:139-311aaSequence Info:Partial
Other Names	Fibrochimerin
Accession No.	P13944
Uniprot	P13944
Calculated MW	21.3 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	DLVFLVDGWSVGRNNFRYILDFMVALVSAFDIGEEKTRVGVVQYSSDTRTEFNLNQYFRRSDLLDAIKRIPYK GGNTMTGEAIDYLVKNTFTESAGARKGFPKVAIVITDGKAQDEVEIPARELRNIGVEVFLGIKAADAKELKLIAS QPSLKHVFNVANFDGIVDIQNEI
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.  Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

## Background

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.

## 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)Research Topic:Others

Note: This product is for in vitro research use only