Collagen Alpha-1 (VIII) Chain (COL8A1) Chicken Recombinant Protein

PRODUCT OVERVIEW

Product Name	Collagen alpha-1 (VIII) chain (COL8A1), Recombinant Protein
Full Product Name	Recombinant Chicken Collagen alpha-1 (VIII) chain (COL8A1), partial
Product Gene Name	COL8A1 recombinant protein
Product Synonym Gene Name	COL8A1
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	73,372 Da
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q7LZR2
Species	Chicken
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for COL8A1 recombinant protein	This gene encodes one of the two alpha chains of type VIII collagen. The gene product is a short chain collagen and a major component of the basement membrane of the corneal endothelium. The type VIII collagen fibril can be either a homo- or a heterotrimer. Alternatively spliced transcript variants encoding the same isoform have been observed.
Other Notes	Small volumes of COL8A1 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for COL8A1 purchase	MBS1321004 is a recombinant protein targeting COL8A1. Also known as Recombinant Chicken Collagen alpha-1 (VIII) chain (COL8A1), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for COL8A1. It may not necessarily be applicable to this product.

NCBI GI #	82207857
NCBI Accession #	Q7LZR2.1
UniProt Primary Accession #	Q7LZR2
NCBI Official Full Name	Collagen alpha-1(VIII) chain
UniProt Protein Name	Collagen alpha-1(VIII) chain
Protein Family	Collagen

UniProt Gene Name	COL8A1
UniProt Comments for COL8A1	Macromolecular component of the subendothelium. Major component of the Descemet's membrane (basement membrane) of corneal endothelial cells. Also component of the endothelia of blood vessels. Necessary for migration and proliferation of vascular smooth muscle cells and thus, has a potential role in the maintenance of vessel wall integrity and structure, in particular in atherogenesis ().
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