

Datasheet for ABIN7320493
COL3A1 Protein (His tag)[Go to Product page](#)

1 Image

Overview

Quantity:	50 µg
Target:	COL3A1
Origin:	Mouse
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This COL3A1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Mouse Collagen α-1(III) Chain/COL3A1 Protein (His Tag)
Sequence:	Gln155-Gly1219
Characteristics:	Recombinant Mouse Collagen alpha-1(III) chain is produced by our Mammalian expression system and the target gene encoding Gln155-Gly1219 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	COL3A1
Alternative Name:	COL3A1 (COL3A1 Products)
Background:	Background: Collagen alpha-1(III) chain(Col3a1) is a secreted protein and belongs to the fibrillar collagen family.It contains 1 fibrillar collagen NC1 domain and 1 VWFC domain. Collagen alpha-

Target Details

1(III) chain is a fibrillar collagen that is found in extensible connective tissues such as skin, lung, and the vascular system, frequently in association with type I collagen. The COL3A1 gene produces the components of type III collagen, called pro- α 1(III) chains. Three copies of this chain combine to make a molecule of type III procollagen. These triple-stranded, rope-like procollagen molecules must be processed by enzymes outside the cell to remove extra protein segments from their ends. Once these molecules are processed, the collagen molecules arrange themselves into long, thin fibrils. Within these fibrils, the individual collagen molecules are cross-linked to one another. These cross-links result in the formation of very strong mature type III collagen fibrils, which are found in the spaces around cells.

Synonym: Collagen α -1(III) chain, Col3a1

Molecular Weight: 96.6 kDa

UniProt: [P08121](#)

Pathways: [Autophagy](#), [Growth Factor Binding](#)

Application Details

Comment: 130 kDa

Restrictions: For Research Use only

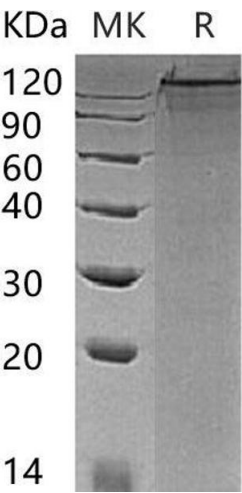
Handling

Format: Frozen, Liquid

Buffer: Supplied as a 0.2 μ m filtered solution of 20 mM HAc-NaAc, 150 mM NaCl, pH 4.5.

Storage: -20 °C

Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.



Western Blotting

Image 1.