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- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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# Recombinant Human Collagen $\alpha$ -1(III) Chain/COL3A1 protein (His tag)



Catalog Number:PDEH100164

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

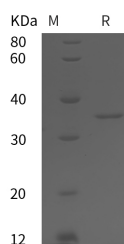
## Description

<b>Synonyms</b>	Collagen alpha-1(III) chain;CO3A1_HUMAN;CO3A1;PIIICP
<b>Species</b>	Human
<b>Expression Host</b>	E.coli
<b>Sequence</b>	Asp 1222-Leu 1466
<b>Accession</b>	p02461
<b>Calculated Molecular Weight</b>	26.8 kDa
<b>Observed molecular weight</b>	35 kDa
<b>Tag</b>	N-His

## Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	Please contact us for more information.
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

## Data



> 95 % as determined by reducing SDS-PAGE.

## Background

Collagen type III is found in most soft connective tissues, such as skin, lung, and the vascular system, often in association with type I collagen. It is a trimer of alpha 1(III) chains that are linked by interchain disulfide bonds. Defective collagen type III is a cause of Ehlers-Danlos syndrome types III and IV and arterial aneurisms (1). This recombinant mini pro-alpha 1(III) collagen consists of a triple-helical region of Gly-Xaa-Yaa repeats, a short non-helical region, and the C-terminal propeptide. The C-terminal propeptide can be removed by the procollagen C-proteinase (BMP-1).

## For Research Use Only

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