

Recombinant Full Length Human COL10A1 Protein, C-His-tagged

Cat. No. COL10A1-27HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human COL10A1 Protein, fused to His-tag at C-terminus, was expressed in HEK293T.
Species	Human
Source	HEK293
Description	This gene encodes the alpha chain of type X collagen, a short chain collagen expressed by hypertrophic chondrocytes during endochondral ossification. Unlike type VIII collagen, the other short chain collagen, type X collagen is a homotrimer. Mutations in this gene are associated with Schmid type metaphyseal chondrodysplasia (SMCD) and Japanese type spondylometaphyseal dysplasia (SMD).
Form	PBS, pH 7.4, 10% glycerol.
Molecular Mass	65.5 kDa
AA Sequence	A DNA sequence from TrueORF clone, RC211658, encoding the region Val19-Met680 of COL10A1
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Notes	For testing in cell culture applications, please filter before use. Note that you may

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experience some loss of protein during the filtration process.

Stability

Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

Storage

Store at -80 centigrade.

Concentration

>50 ug/mL as determined by microplate BCA method.

Protein Families

Druggable Genome

Full Length

Full L.

GENE INFORMATION

Gene Name

COL10A1 collagen type X alpha 1 chain [Homo sapiens (human)]

Official Symbol

COL10A1

Gene ID

1300

mRNA Refseq

NM_000493.4

Protein Refseq

NP_000484.2

MIM

120110

UniProt ID

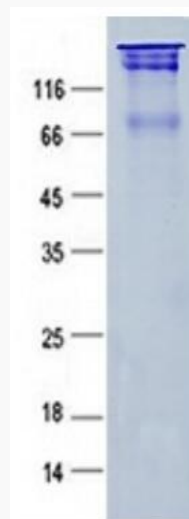
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SDS-PAGE



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