

# Recombinant Human COL3A1

Cat. No. COL3A1-28012TH Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Full-length Human Collagen-III : the human proalpha1 (III) and both alpha and beta subunits of prolyl hydroxylase were co-expressed in the yeast <i>Pichia pastoris</i> . Procollagen III was converted into mature collagen by a controlled proteinase dig
<b>Species</b>	Human
<b>Description</b>	This gene encodes the pro-alpha1 chains of type III collagen, a fibrillar collagen that is found in extensible connective tissues such as skin, lung, uterus, intestine and the vascular system, frequently in association with type I collagen. Mutations in this gene are associated with Ehlers-Danlos syndrome types IV, and with aortic and arterial aneurysms. Two transcripts, resulting from the use of alternate polyadenylation signals, have been identified for this gene.
<b>Form</b>	Liquid
<b>Purity</b>	>95% by SDS-PAGE
<b>Storage buffer</b>	Component: 10mM HClPreservatives: none.
<b>Storage</b>	Store at +4°C.

## GENE INFORMATION

**Gene Name** COL3A1 collagen, type III, alpha 1 [ *Homo sapiens* ]

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<b>Official Symbol</b>	COL3A1
<b>Synonyms</b>	COL3A1; collagen, type III, alpha 1; EDS4A, Ehlers Danlos syndrome type IV, autosomal dominant; collagen alpha-1(III) chain;
<b>Gene ID</b>	1281
<b>mRNA Refseq</b>	NM_000090
<b>Protein Refseq</b>	NP_000081
<b>MIM</b>	120180
<b>Uniprot ID</b>	P02461
<b>Chromosome Location</b>	2q32.2
<b>Pathway</b>	Amoebiasis, organism-specific biosystem; Amoebiasis, conserved biosystem; Axon guidance, organism-specific biosystem; Developmental Biology, organism-specific biosystem; ECM-receptor interaction, organism-specific biosystem;
<b>Function</b>	SMAD binding; extracellular matrix structural constituent; integrin binding; integrin binding; platelet-derived growth factor binding;

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