

Recombinant Human COL3A1

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

SPECIFICATION

Product Overview	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
Species	Human
Description	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.
Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	Component: 10mM HClPreservatives: none.
Storage	Store at +4°C.

GENE INFORMATION

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