

Active Recombinant Human COL3A1, His-tagged

Cat. No. COL3A1-604H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human COL3A1 (Accession # NP_000081) Thr1097-Leu1466, fused with an N-terminal human CD33 signal sequence and 6-His tag, was produced in Mouse myeloma cell line, NS0-derived.
Species	Human
Source	Mammalian Cells
ProteinLength	1097-1466 a.a.
Predicted N Terminal	His
Form	Supplied as a 0.2 µ filtered solution in Sodium Acetate and NaCl.
Bio-activity	Measured by the cleavage of its C-terminal propeptide by Recombinant Human BMP-1/PCP .>50% of full-length Pro-Collagen III alpha 1 is cleaved by recombinant human BMP-1, as measured under the described conditions.
Molecular Mass	Recombinant Human COL3A1, His-tagged has a calculated MW of 40 kDa. In SDS-PAGE migrates as 41-46 kDa, reducing conditions.
Purity	>75%, by SDS-PAGE under reducing conditions and visualized by Colloidal Coomassie® Blue stain at 5 µg per lane.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In

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lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

GENE INFORMATION

Gene Name	COL3A1 collagen, type III, alpha 1 [Homo sapiens]
Official Symbol	COL3A1
Synonyms	COL3A1; collagen, type III, alpha 1; EDS4A, Ehlers Danlos syndrome type IV, autosomal dominant; collagen alpha-1(III) chain; collagen, fetal; alpha1 (III) collagen; Ehlers-Danlos syndrome type IV, autosomal dominant; EDS4A; FLJ34534;
Gene ID	1281
mRNA Refseq	NM_000090
Protein Refseq	NP_000081
MIM	120180
UniProt ID	P02461
Chromosome Location	2q32.2

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