

Recombinant Human COL3A1 Protein, His-tagged

Cat. No. COL3A1-2794H Lot. No. (See product label)

SPECIFICATION

Product Overview	Synthetic Recombinant Human COL3A1 Protein fused with a N-His tag.
Species	Human
Source	Synthetic
Description	This gene encodes the pro- $\alpha 1$ 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 type IV, and with aortic and arterial aneurysms.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 3305.7 Da
Purity	> 97%
Applications	Immunogen; Blocking Peptide.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

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Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

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

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