

## 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-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 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.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

## GENE INFORMATION

|                        |   |
|------------------------|---|
| <b>Gene Name</b>       | COL3A1 collagen type III alpha 1 chain [ Homo sapiens (human) ]   |
| <b>Official Symbol</b> | COL3A1  |
| <b>Synonyms</b>        | 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 |
| <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  |

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