# Recombinant Human COL16A1 Protein, His-tagged

**Cat. No.** COL16A1-330H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant Human COL16A1(Val1434~Gly1604) fused with His tag at N-terminal was expressed in E. coli. |
| **Species** | Human |
| **Source** | E.coli |
| **ProteinLength** | Val1434~Gly1604 |
| **Description** | This gene encodes the alpha chain of type XVI collagen, a member of the FACIT collagen family (fibril-associated collagens with interrupted helices). Members of this collagen family are found in association with fibril-forming collagens such as type I and II, and serve to maintain the integrity of the extracellular matrix. High levels of type XVI collagen have been found in fibroblasts and keratinocytes, and in smooth muscle and amnion. |
| **Form** | 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300. |
| **Molecular Mass** | 21.3kDa |
| **Endotoxin** | <1.0EU per 1ug (determined by the LAL method) |
| **Purity** | > 90% |

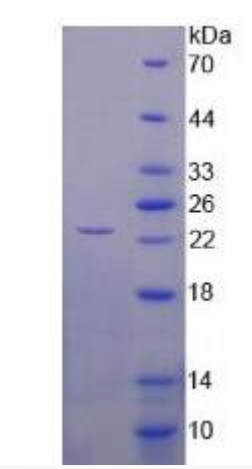
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| **Applications** | Positive Control; Immunogen; SDS-PAGE; WB.<br>If bio-activity of the protein is needed, please check active protein |
| **Stability** | The thermal stability is described by the loss rate. The loss rate was determined by accelerated 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. |
| **Storage** | Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months. |
| **Reconstitution** | Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex. |

## GENE INFORMATION

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| **Gene Name** | COL16A1 collagen type XVI alpha 1 chain [ Homo sapiens ] |
| **Official Symbol** | COL16A1 |
| **Synonyms** | 447AA; FP1572; alpha 1 type XVI collagen; collagen XVI, alpha-1 polypeptide; collagen, type XVI, alpha 1 |
| **Gene ID** | 1307 |
| **mRNA Refseq** | NM_001856 |
| **Protein Refseq** | NP_001847 |
| **UniProt ID** | Q07092 |

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