

Recombinant Human COL14A1 protein, His & GST-tagged

Cat. No. COL14A1-7888H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human COL14A1 aa. (Glu1280~Leu1461 (Accession # Q05707)) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Glu1280~Leu1461
Description	This gene encodes the alpha chain of type XIV collagen, a member of the FACIT (fibril-associated collagens with interrupted triple helices) collagen family. Type XIV collagen interacts with the fibril surface and is involved in the regulation of fibrillogenesis.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 47.1kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 5.5.
Applications	SDS-PAGE; WB; ELISA; IP

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Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage Buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

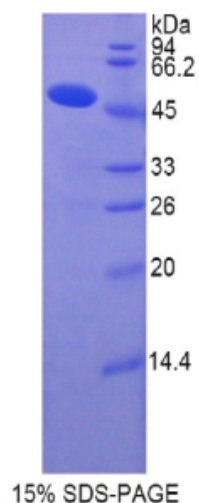
Gene Name	COL14A1 collagen type XIV alpha 1 chain [Homo sapiens (human)]
Official Symbol	COL14A1
Synonyms	COL14A1; collagen type XIV alpha 1 chain; UND; collagen alpha-1(XIV) chain; collagen, type XIV, alpha 1; undulin (fibronectin-tenascin-related)
Gene ID	7373
mRNA Refseq	NM_021110.3
Protein Refseq	NP_066933.1
UniProt ID	Q05707

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SDS-PAGE



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