

Recombinant Human COL12A1 Protein, His-tagged

Cat. No. COL12A1-812H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human COL12A1 Protein (Pro2802-Gly3063) with His tag was expressed in 293F.
Species	Human
Source	HEK293
ProteinLength	Pro2802-Gly3063
Description	This gene encodes the alpha chain of type XII collagen, a member of the FACIT (fibril-associated collagens with interrupted triple helices) collagen family. Type XII collagen is a homotrimer found in association with type I collagen, an association that is thought to modify the interactions between collagen I fibrils and the surrounding matrix. Alternatively spliced transcript variants encoding different isoforms have been identified.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 27.1 kDa; Accurate Molecular Mass: 25/48 kDa
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

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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.

Storage Buffer

20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.

Reconstitution

Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name

COL12A1 collagen type XII alpha 1 chain [Homo sapiens (human)]

Official Symbol

COL12A1

Synonyms

COL12A1; collagen type XII alpha 1 chain; UCMD2; BTHLM2; EDSMYP; COL12A1L; BA209D8.1; DJ234P15.1; collagen alpha-1(XII) chain; collagen type XII proteoglycan; collagen, type XII, alpha 1

Gene ID

1303

mRNA Refseq

NM_004370

Protein Refseq

NP_004361

MIM

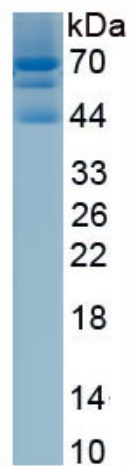
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UniProt ID

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