

Recombinant Human COL27A1, GST-tagged

Cat. No. COL27A1-11431H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human COL27A1 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	54-381a.a.
Description	Fibrillar collagens, such as COL27A1, compose one of the most ancient families of extracellular matrix molecules. They form major structural elements in extracellular matrices of cartilage, skin, and tendon (Boot-Handford et al., 2003 [PubMed 12766169]).
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name	COL27A1 collagen, type XXVII, alpha 1 [Homo sapiens]
Official Symbol	COL27A1

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Synonyms	collagen, type XXVII, alpha 1; KIAA1870; FLJ11895; MGC11337; collagen alpha-1(XXVII) chain; COL27A1
Gene ID	85301
mRNA Refseq	NM_032888.2
Protein Refseq	NP_116277.2
MIM	608461
UniProt ID	Q8IZC6
Chromosome Location	9q32
Pathway	Collagen biosynthesis and modifying enzymes, organism-specific biosystem; Collagen formation, organism-specific biosystem; Extracellular matrix organization, organism-specific biosystem;
Function	extracellular matrix structural constituent;

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