

Recombinant Human COL17A1 Protein, His-tagged

Cat. No. COL17A1-329H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human COL17A1(Pro184~Pro375) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Pro184~Pro375
Description	This gene encodes the alpha chain of type XVII collagen. Unlike most collagens, collagen XVII is a transmembrane protein. Collagen XVII is a structural component of hemidesmosomes, multiprotein complexes at the dermal-epidermal basement membrane zone that mediate adhesion of keratinocytes to the underlying membrane. Mutations in this gene are associated with both generalized atrophic benign and junctional epidermolysis bullosa. Two homotrimeric forms of type XVII collagen exist. The full length form is the transmembrane protein. A soluble form, referred to as either ectodomain or LAD-1, is generated by proteolytic processing of the full length form.
Form	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Molecular Mass	21.5kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)

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Purity	> 97%
Applications	Positive Control; Immunogen; SDS-PAGE; WB. 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

Gene Name	COL17A1 collagen, type XVII, alpha 1 [Homo sapiens]
Official Symbol	COL17A1
Synonyms	COL17A1; collagen, type XVII, alpha 1; BPAG2; collagen alpha-1(XVII) chain; BP180; alpha 1 type XVII collagen; collagen XVII, alpha-1 polypeptide; 180 kDa bullous pemphigoid antigen 2; bullous pemphigoid antigen 2 (180kD); bA16H23.2 (collagen, type XVII, alpha 1 (BP180)); BPA-2; LAD-1; BA16H23.2; FLJ60881; KIAA0204;
Gene ID	1308
mRNA Refseq	NM_000494

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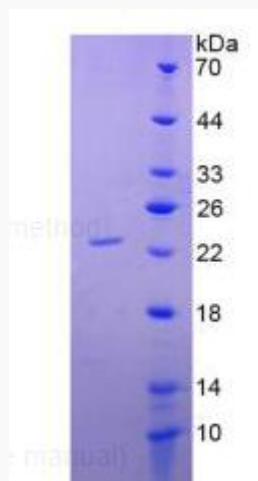
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Protein Refseq NP_000485

MIM 113811

UniProt ID Q9UMD9



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