

Recombinant Human COL7A1 Protein, His-tagged

Cat. No. COL7A1-340H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human COL7A1(Pro190~Asp472) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Pro190~Asp472
Description	This gene encodes the alpha chain of type VII collagen. The type VII collagen fibril, composed of three identical alpha collagen chains, is restricted to the basement zone beneath stratified squamous epithelia. It functions as an anchoring fibril between the external epithelia and the underlying stroma. Mutations in this gene are associated with all forms of dystrophic epidermolysis bullosa. In the absence of mutations, however, an acquired form of this disease can result from an autoimmune response made to type VII collagen.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	32.2kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	> 95%

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

GENE INFORMATION

Gene Name	COL7A1 collagen, type VII, alpha 1 [Homo sapiens]
Official Symbol	COL7A1
Synonyms	COL7A1; collagen, type VII, alpha 1; EBD1, EBDCT, EBR1, epidermolysis bullosa, dystrophic, dominant and recessive; collagen alpha-1(VII) chain; collagen VII; alpha 1 polypeptide; LC collagen; long-chain collagen; collagen VII, alpha-1 polypeptide; EBD1; EBR1; EBDCT;
Gene ID	1294
mRNA Refseq	NM_000094
Protein Refseq	NP_000085
MIM	120120

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UniProt ID

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