

Recombinant Human PCOLCE protein, His & S-tagged

Cat. No. PCOLCE-6802H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human PCOLCE aa. (Ala315~Cys437 (Accession # Q15113)) fused with N-terminal His & S tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Ala315~Cys437
Description	Fibrillar collagen types I-III are synthesized as precursor molecules known as procollagens. These precursors contain amino- and carboxyl-terminal peptide extensions known as N- and C-propeptides, respectively, which are cleaved, upon secretion of procollagen from the cell, to yield the mature triple helical, highly structured fibrils. This gene encodes a glycoprotein which binds and drives the enzymatic cleavage of type I procollagen and heightens C-proteinase activity.
Form	Freeze-dried powder
Molecular Mass	18kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 8.5.

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Applications	SDS-PAGE; WB; ELISA; IP.
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 liquid form in Phosphate buffered saline(PBS), pH7.4.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	PCOLCE procollagen C-endopeptidase enhancer [Homo sapiens (human)]
Official Symbol	PCOLCE
Synonyms	PCPE; PCPE1; PCPE-1; procollagen C-proteinase enhancer 1; procollagen COOH-terminal proteinase enhancer 1; procollagen, type 1, COOH-terminal proteinase enhancer; type 1 procollagen C-proteinase enhancer protein; type I procollagen COOH-terminal proteinase enhancer; procollagen C-endopeptidase enhancer 1
Gene ID	5118
mRNA Refseq	NM_002593.3

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Protein Refseq	NP_002584.2
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UniProt ID	Q15113
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